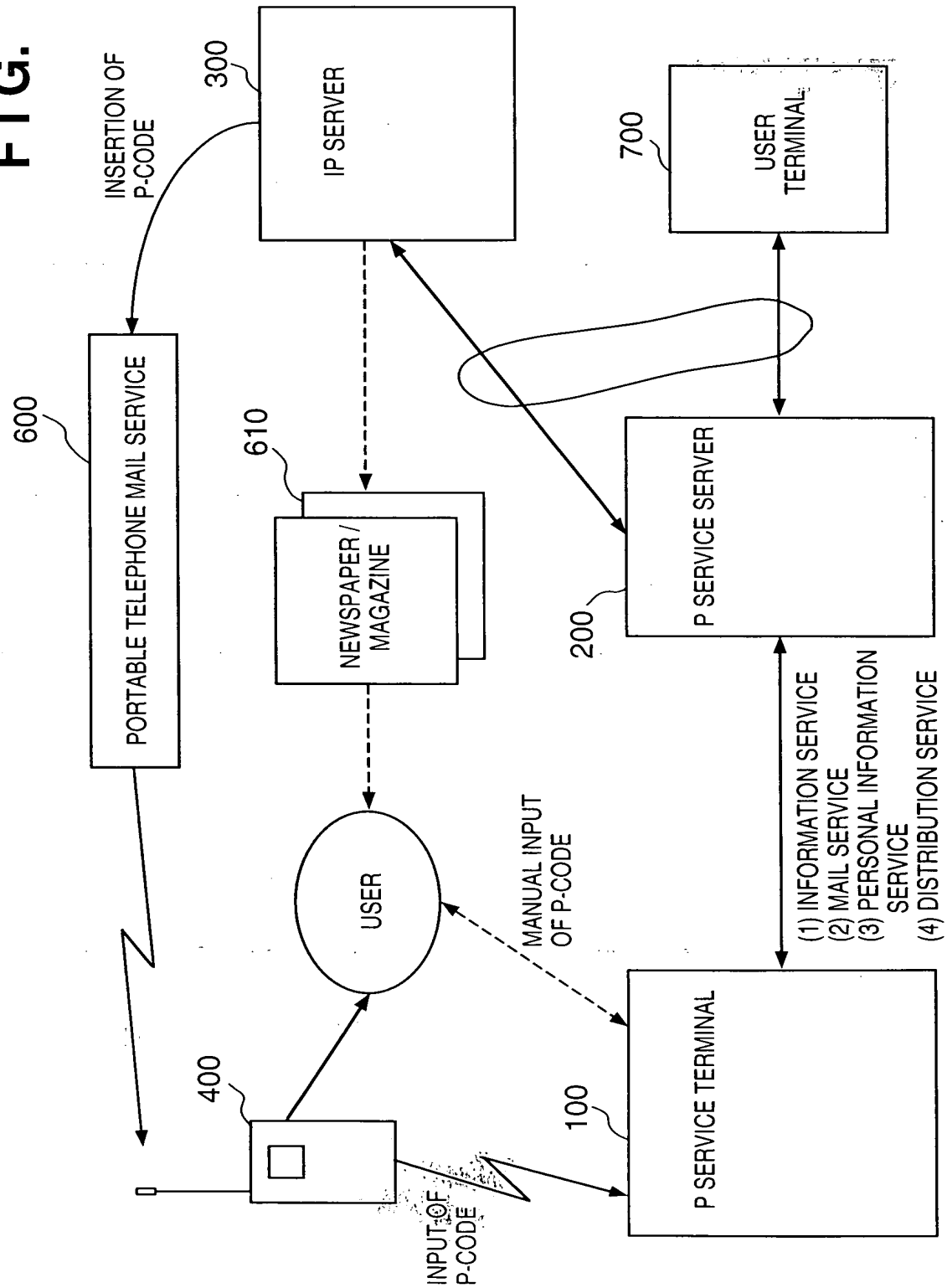
FIG. 1


INSERTION OF P-CODE
300
IP SERVER
700
USER TERMINAL
600
PORTABLE TELEPHONE MAIL SERVICE
610
NEWSPAPER / MAGAZINE
200
P SERVICE SERVER
USER
MANUAL INPUT OF P-CODE
(1) INFORMATION SERVICE
(2) MAIL SERVICE
(3) PERSONAL INFORMATION SERVICE
(4) DISTRIBUTION SERVICE
400
100
P SERVICE TERMINAL
INPUT OF P-CODE

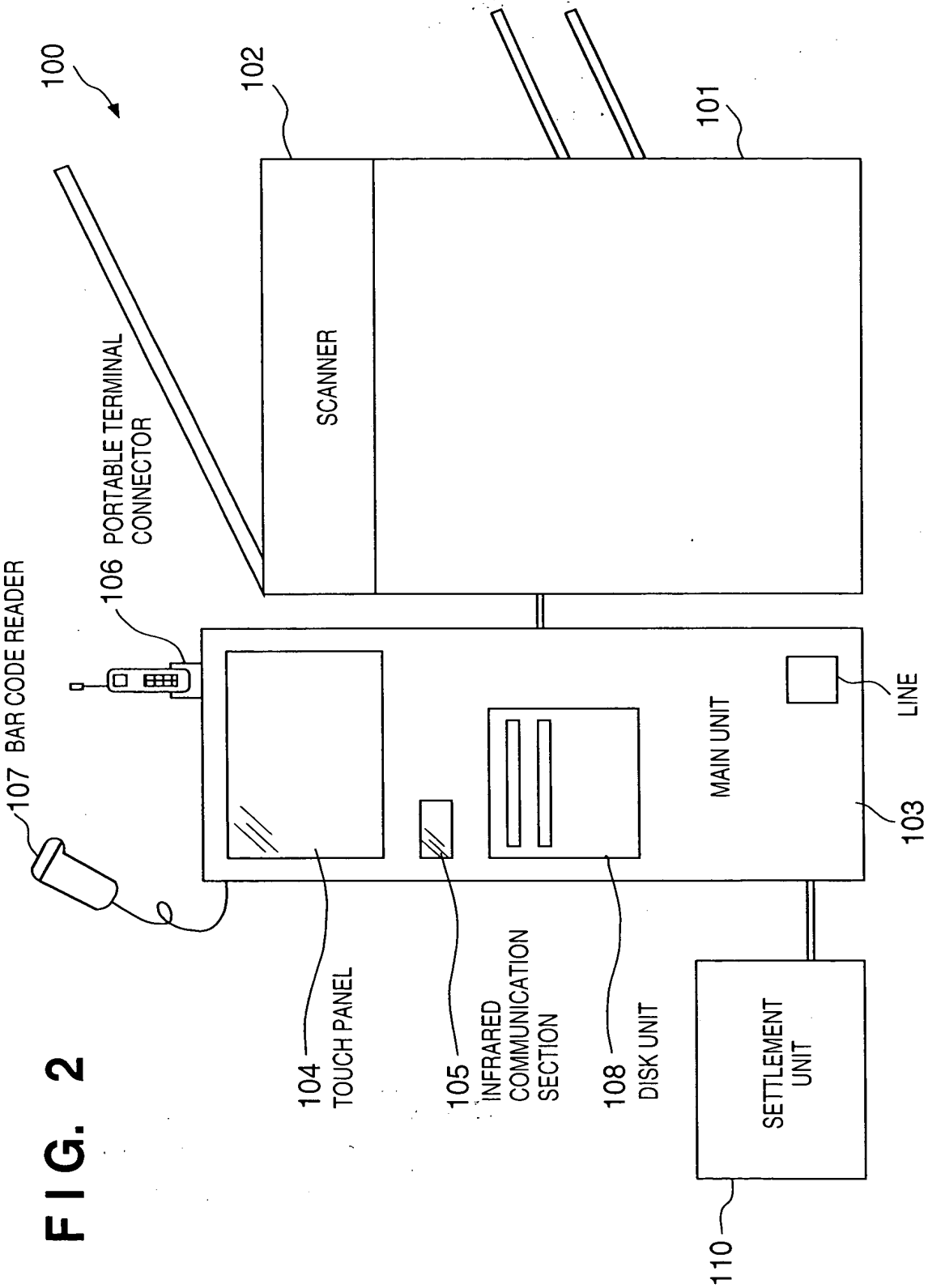

100
102
101
SCANNER
PORTABLE TERMINAL CONNECTOR
106
BAR CODE READER
107
MAIN UNIT
LINE
103
104
TOUCH PANEL
105
INFRARED COMMUNICATION SECTION
108
DISK UNIT
SETTLEMENT UNIT
110

FIG. 2

FIG. 3

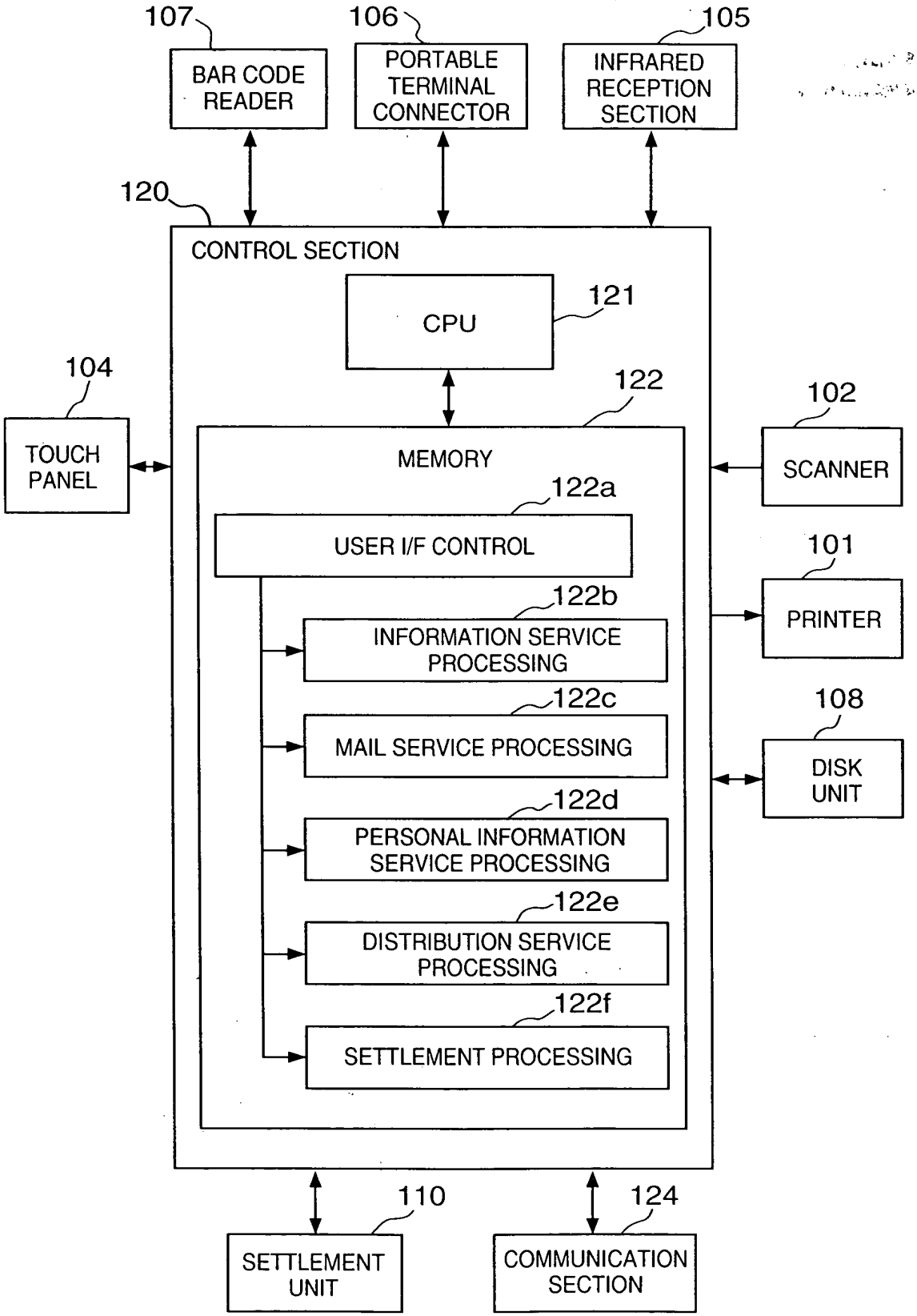

107
BAR CODE READER
106
PORTABLE TERMINAL CONNECTOR
105
INFRARED RECEPTION SECTION
120
CONTROL SECTION
CPU
121
104
TOUCH PANEL
122
MEMORY
102
SCANNER
122a
USER I/F CONTROL
101
PRINTER
122b
INFORMATION SERVICE PROCESSING
122c
108
MAIL SERVICE PROCESSING
DISK UNIT
122d
PERSONAL INFORMATION SERVICE PROCESSING
122e
DISTRIBUTION SERVICE PROCESSING
122f
SETTLEMENT PROCESSING
110
124
SETTLEMENT UNIT
COMMUNICATION SECTION

FIG. 4

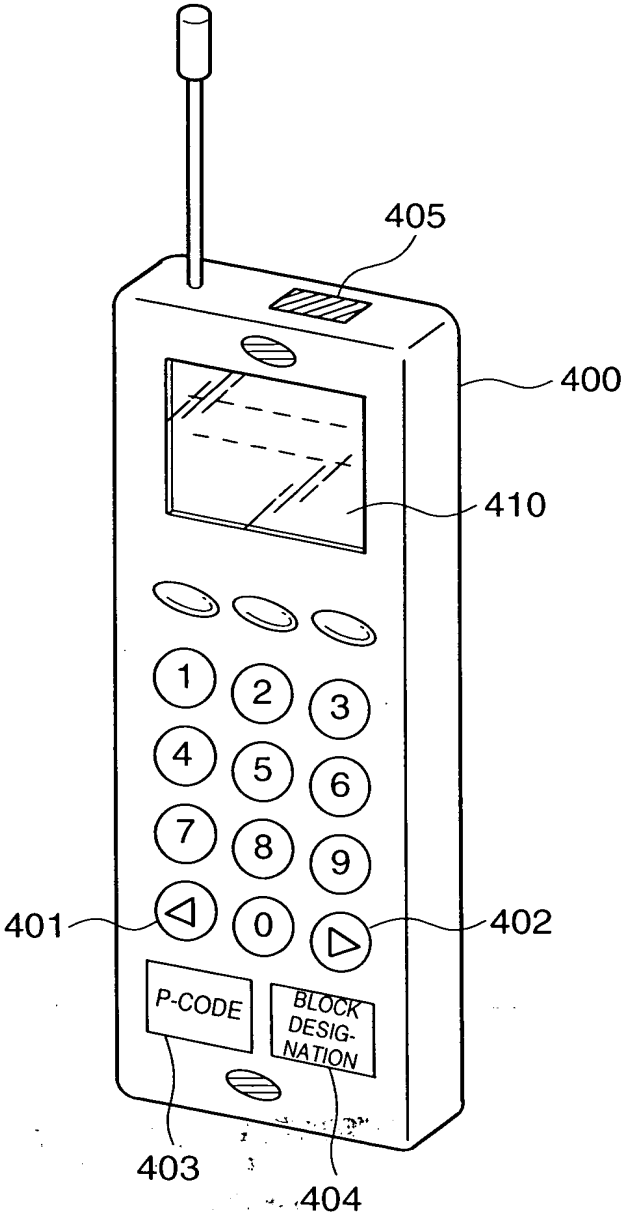

405
400
410
1
2
3
4
5
6
7
8
9
0
401
402
P-CODE
BLOCK DESIG-NATION
403
404

FIG. 5

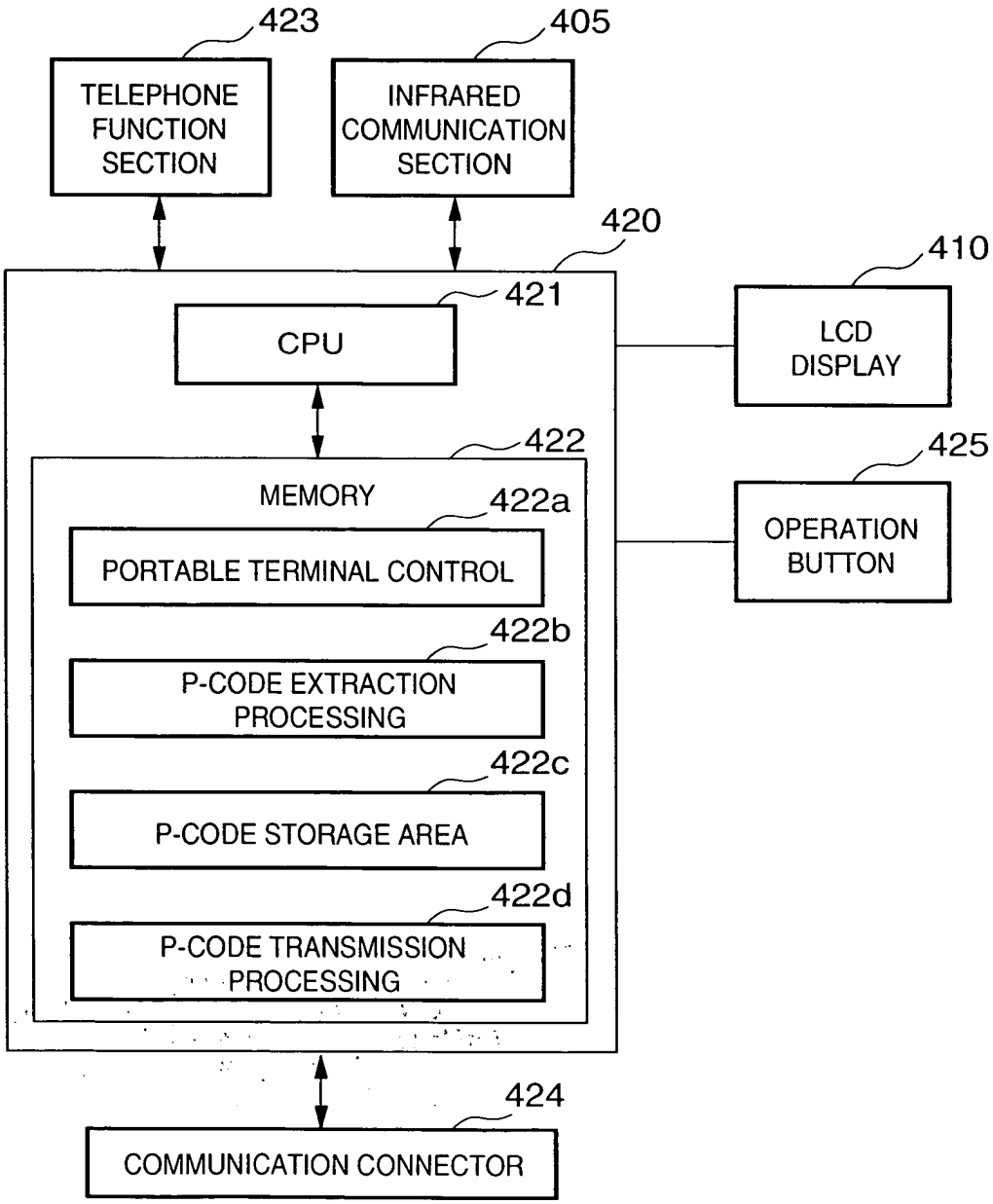

423
TELEPHONE FUNCTION SECTION
405
INFRARED COMMUNICATION SECTION
420
421
CPU
410
LCD DISPLAY
422
MEMORY
422a
PORTABLE TERMINAL CONTROL
425
OPERATION BUTTON
422b
P-CODE EXTRACTION PROCESSING
422c
P-CODE STORAGE AREA
422d
P-CODE TRANSMISSION PROCESSING
424
COMMUNICATION CONNECTOR

FIG. 6

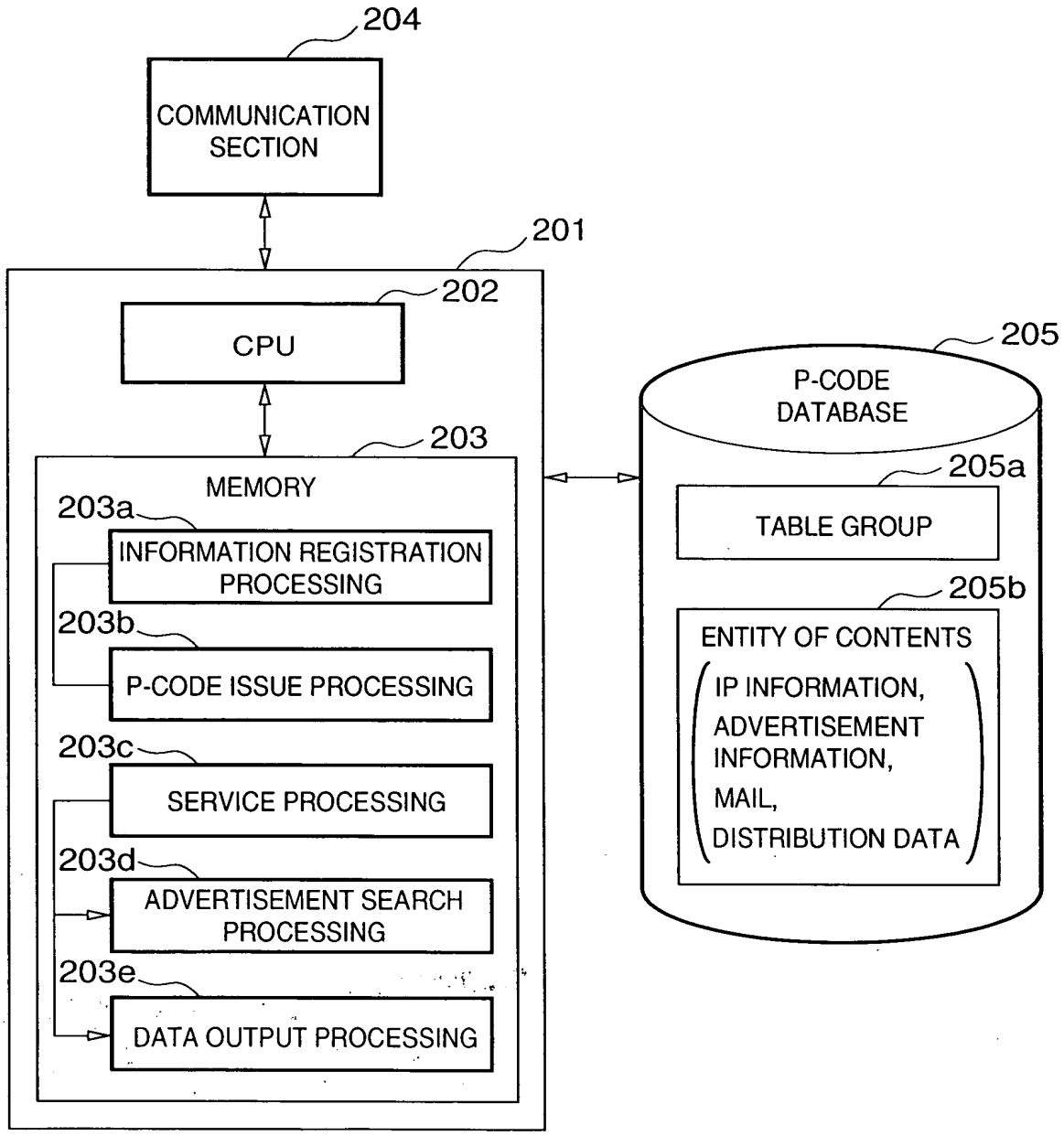

204
COMMUNICATION SECTION
201
202
CPU
203
MEMORY
203a
INFORMATION REGISTRATION PROCESSING
203b
P-CODE ISSUE PROCESSING
203c
SERVICE PROCESSING
203d
ADVERTISEMENT SEARCH PROCESSING
203e
DATA OUTPUT PROCESSING
205
P-CODE DATABASE
205a
TABLE GROUP
205b
ENTITY OF CONTENTS
IP INFORMATION,
ADVERTISEMENT INFORMATION,
MAIL,
DISTRIBUTION DATA

FIG. 7

220

IP INFORMATION REGISTRATION TABLE			
P-CODE	IDENTIFICATION SECTION	PARENT CODE SECTION	
		FLAG REPRESENTING WHETHER Sub-code IS PRESENT	
		Sub-code SECTION	
		LINK	LINKED P-CODE
	BASIC PROPERTIES	OWNER ID	
		TITLE	
		SUBTITLE (SUMMARY)	
		STATUS	REGISTERED, USABLE, SUSPENDED, ABOLISHED
		PRICE OF INFORMATION	
		SIZE	
		ADVERTISEMENT INSERTION ENABLE / DISABLE CONDITION	
		PASSWORD FOR INFORMATION	
		DATA OF START OF INFORMATION INSERTION	
		TERM OF INFORMATION	
		VALID DATES OF CODE	
		MINIMUM ENLARGEMENT LIMIT VALUE	
		MINIMUM REDUCTION LIMIT VALUE	
		GENRE	
		SUBGENRE	
		REGION CODE	FOR INFORMATION WITH REGIONAL CHARACTERISTICS
		KEYWORD LIST	
		KEYWORD WEIGHT LIST	
	FRAME INFORMATION	P-CODE	
	NONLINK INFORMATION	P-CODE LINKED TO THIS INFORMATION	
	ENTITY FILE INFORMATION	NUMBER OF FILES	
		FILE NAME (LIST CORRESPONDING TO NUMBER OF FILES)	

FIG. 8

ADVERTISEMENT INFORMATION TABLE			
P-CODE	ADVERTISEMENT PROPERTIES	OWNER ID	
		DATE OF START OF ADVERTISEMENT INSERTION TERM OF ADVERTISEMENT	
		LINK INFORMATION TO IP INFORMATION	TYPE OF LINK METHOD TARGET KEYWORD LIST TARGET KEYWORD WEIGHT LIST
		SIZE OF ADVERTISEMENT PORTRAIT / LANDSCAPE ADVERTISEMENT SIZE ADJUSTMENT METHOD SETTING OF ADVERTISEMENT INSERTION POSITION UPPER LIMIT OF AMOUNT ADVERTISEMENT PRICE INFORMATION (UNIT PRICE) UPPER LIMIT OF PRINTING COUNT CURRENT PRINTING COUNT	
	LINK	P-CODE	
	ENTITY FILE INFORMATION	NUMBER OF FILES FILE NAME (LIST CORRESPONDING TO NUMBER OF FILES)	

FIG. 9

USER INFORMATION TABLE

P-CODE OF USER (TELEPHONE NUMBER)	USER PROFILE	POSTAL CODE ADDRESS TYPE OF SERVICE TO USE NAME OF COMPANY BUSINESS CATEGORY ID BUSINESS CATEGORY (OTHERS) NAME OF DEPARTMENT / SECTION POST JOB	
		PRINTING PAPER INFORMATION	PRIORITY FOR LAYOUT PAPER SIZE DIRECTION OF PAPER AMOUNT OF ADVERTISEMENT (e.g., USE OF LOWER SURFACE)
		BIRTHDAY / BLOOD TYPE / SEX FINAL SCHOOL CARRIER / OCCUPATION ID / OCCUPATION (OTHERS) MARRIED / SINGLE / NUMBER OF FAMILY NUMBERS / INCOME / AMOUNT OF SAVING HOUSE IN POSSESSION OR NOT / CAR / PISTON DISPLACEMENT / MODEL MOTORCYCLE / PISTON DISPLACEMENT / MODEL CURRENT PET / DESIRED PET HOBBY / MUSIC / MOVIE SPECTATOR SPORTS / SPORTS / FISHING GENRE OF INTEREST (DESIRED INFORMATION) (ID LIST)	
	PERSONAL INFORMATION TABLE	TO ANOTHER DB	
	MAIL SERVICE INFORMATION	NUMBER OF MAIL MESSAGES MAXIMUM ENLARGEMENT LIMIT VALUE MINIMUM REDUCTION LIMIT VALUE P-CODE LIST (NUMBER CORRESPONDING TO NUMBER OF MAIL MESSAGES)	
	DISTRIBUTION SERVICE INFORMATION	NUMBER OF REGISTERED DATA P-CODE LIST (NUMBER CORRESPONDING TO NUMBER OF DISTRIBUTED DATA)	
	PERSONAL INFORMATION SERVICE INFORMATION	NUMBER OF FRAME DATA P-CODE LIST (NUMBER CORRESPONDING TO NUMBER OF FRAME DATA)	

FIG. 10

MAIL SERVICE P-CODE TABLE

P-CODE (TELEPHONE NUMBER#NUMBER)	PROPERTIES OF MAIL	SUBJECT SENDER DATE AND TIME OF TRANSMISSION
	ENTITY FILE INFORMATION	NUMBER OF FILES (INCLUDING ATTACHED FILE) FILE NAME (LIST CORRESPONDING TO NUMBER OF FILES)

FIG. 11

DISTRIBUTION SERVICE P-CODE TABLE

P-CODE (TELEPHONE NUMBER-NUMBER)	PROPERTIES OF REGISTERED INFORMATION	TITLE * DATE OF INFORMATION REGISTRATION VALID DATES OF INFORMATION PASSWORD (PASSWORD) FOR INFORMATION
	ENTITY FILE INFORMATION	NUMBER OF FILES (INCLUDING ATTACHED FILE) FILE NAME (LIST CORRESPONDING TO NUMBER OF FILES)

FIG. 12

PERSONAL INFORMATION SERVICE P-CODE TABLE

P-CODE (TELEPHONE NUMBER##NUMBER)	PROPERTIES OF PERSONAL P-CODE INFORMATION	TITLE DATE OF FINAL PRINTING PRINTING PAPER INFORMATION	
			PRIORITY FOR LAYOUT PAPER SIZE DIRECTION OF PAPER AMOUNT OF ADVERTISEMENT (e.g., USE OF LOWER SURFACE)
	REGISTERED P-CODE INFORMATION	NUMBER OF REGISTERED P-CODES P-CODE LIST (INDICATING FRAME)	

FIG. 13

PERSONAL INFORMATION TABLE

USER-ID	PHONETIC TRANSCRIPTION (LAST NAME) PHONETIC TRANSCRIPTION (FAMILY NAME) NAME (FAMILY NAME) NAME (FIRST NAME) NAME (MIDDLE NAME) POSTAL CODE ADDRESS TELEPHONE NUMBER FAX NUMBER PORTABLE TELEPHONE NUMBER E-MAIL ADDRESS PASSWORD NAME OF COMPANY BUSINESS CATEGORY ID BUSINESS CATEGORY (OTHERS) NAME OF DEPARTMENT / SECTION POST JOB POSTAL CODE OF COMPANY ADDRESS OF COMPANY TELEPHONE NUMBER OF COMPANY FAX NUMBER OF COMPANY PAYER INFORMATION USE DISK AREA INFORMATION CHARGE RECORD		
		CREDIT CARD COMPANY FOR SETTLEMENT CARD NUMBER VALID DATES OF CARD	
			PRIORITY FOR LAYOUT PAPER SIZE DIRECTION OF PAPER AMOUNT OF ADVERTISEMENT (e.g., USE OF LOWER SURFACE)

FIG. 14

OWNER INFORMATION TABLE	SAME AS PERSONAL INFORMATION TABLE	
USER-ID	NAME OF COMPANY / NAME POSTAL CODE OF COMPANY ADDRESS OF COMPANY TELEPHONE NUMBER OF COMPANY FAX NUMBER OF COMPANY E-MALE ADDRESS OF PERSON IN CHANGE PASSWORD BUSINESS CATEGORY ID BUSINESS CATEGORY (OTHERS) NAME OF DEPARTMENT / SECTION	
	PAYER INFORMATION	BANK OF PAYER BANK ACCOUNT OF PAYER CONTRACT TERM
	USE DISK AREA INFORMATION CHARGE RECORD	

0DTTh0"h82h560

FIG. 15

TERMINAL INFORMATION TABLE

TERMINAL ID	OWNER ID REGION INFORMATION TYPE OF TERMINAL	
	REGION INFORMATION	COUNTRY ADDRESS
	VERSION OF TERMINAL VERSION OF TERMINAL SOFTWARE TERMINAL INPUT DEVICE INFORMATION CAPACITY OF TERMINAL STORAGE DEVICE TERMINAL OUTPUT DEVICE INFORMATION LANGUAGE	
	PRINTING ABILITY	PAPER SIZE DOUBLE SIDE / ONE SIDE COLOR / MONOCHROME PRINTING SPEED FONT
	TERMINAL STATE INFORMATION	PRINTING SPOOL STATE INFORMATION OF REMAINING CAPACITY OF STORAGE DEVICE P-CODE CACHE STATE

FIG. 16

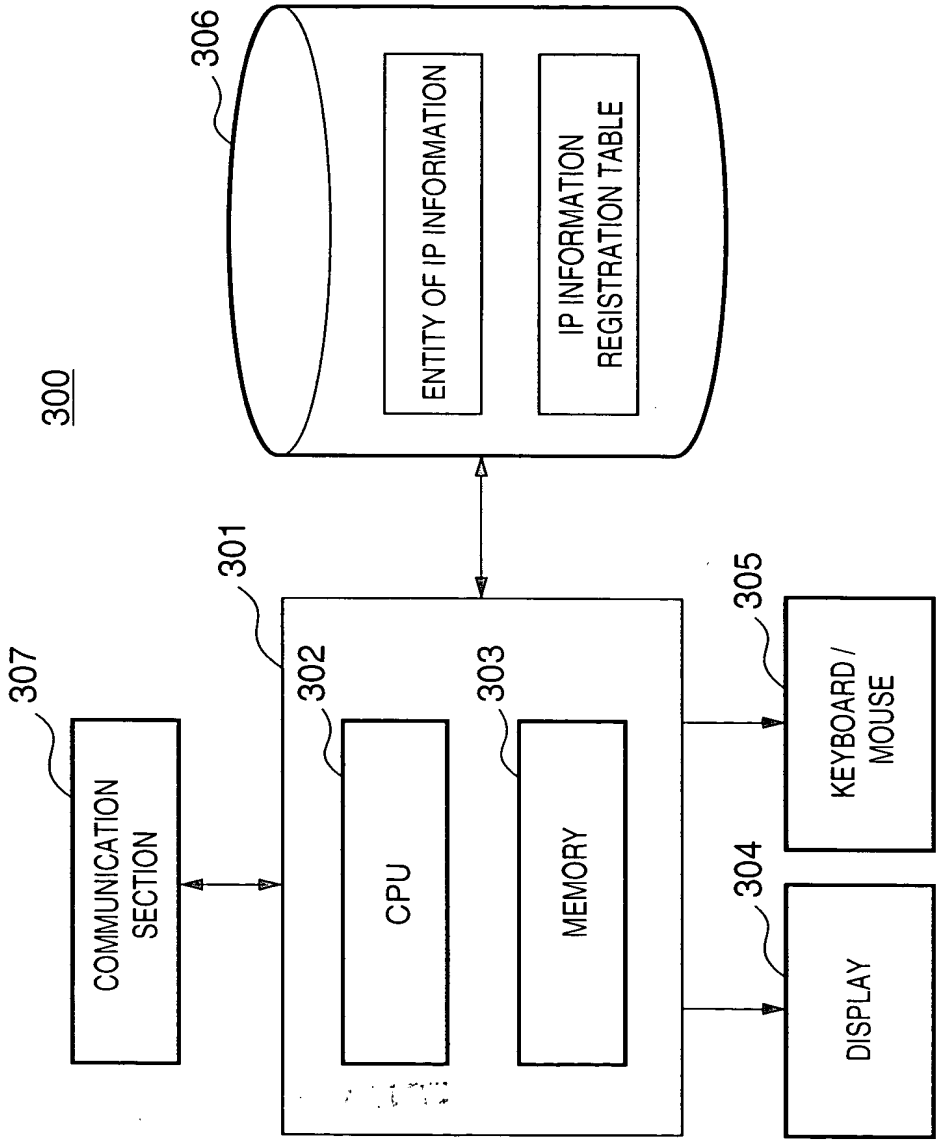

300
306
ENTITY OF IP INFORMATION
IP INFORMATION REGISTRATION TABLE
301
307
COMMUNICATION SECTION
302
CPU
303
MEMORY
305
KEYBOARD / MOUSE
304
DISPLAY

FIG. 17

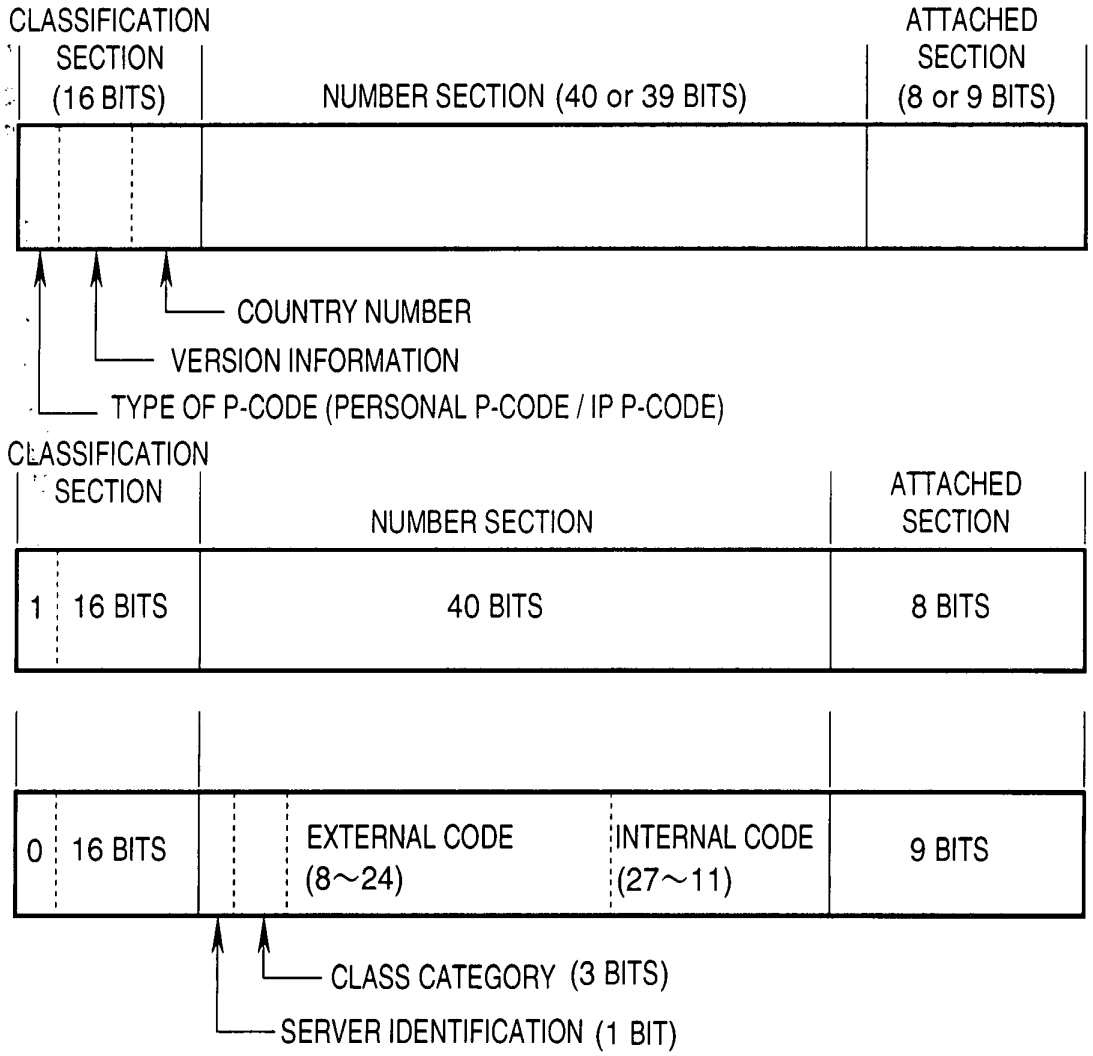

CLASSIFICATION SECTION (16 BITS)
NUMBER SECTION (40 or 39 BITS)
ATTACHED SECTION (8 or 9 BITS)
COUNTRY NUMBER
VERSION INFORMATION
TYPE OF P-CODE (PERSONAL P-CODE / IP P-CODE)
CLASSIFICATION SECTION
NUMBER SECTION
ATTACHED SECTION
1
16 BITS
40 BITS
8 BITS
0
16 BITS
EXTERNAL CODE (8~24)
INTERNAL CODE (27~11)
9 BITS
CLASS CATEGORY (3 BITS)
SERVER IDENTIFICATION (1 BIT)

FIG. 18

<table>
<tr><th>Bit</th><th colspan="6">CONTENTS OF P-CODE</th></tr>
<tr><td>1</td><td colspan="5">0 : INFORMATION P-CODE
(BIT REPRESENTING WHETHER P-CODE IS TELEPHONE CODE)</td><td>1 : PERSONAL USER P-Code</td></tr>
<tr><td>2
~
8</td><td colspan="5">VERSION BITS (7 BITS)</td><td>VERSION BITS
(7 BITS)</td></tr>
<tr><td>9
~
16</td><td colspan="5">COUNTRY NUMBER IDENTIFICATION BITS (8 BITS)
(NORMALLY NOT INPUT BY USER)</td><td>COUNTRY NUMBER IDENTIFICATION BITS (8 BITS)
(NORMALLY NOT INPUT BY USER)</td></tr>
<tr><td>17</td><td colspan="5">CanDI SERVER IDENTIFICATION BIT (= 1 : CanDI SERVER)</td><td rowspan="4">TELEPHONE NUMBER
(INTEGER HAVING 12 DIGITS AT MAXIMUM)
(40 BITS)</td></tr>
<tr><td>18
19
20</td><td colspan="5">IP SCALE IDENTIFICATION BITS (3 BITS)
(=1: MINIMAL SCALE, = 2 : SMALL SCALE, = 3 : MEDIUM SCALE,
= 4 : LARGE SCALE, = 5 : MAXIMAL SCALE)</td></tr>
<tr><td>21
~
28</td><td>SITE IDENTIFICATION BITS (24 BITS) (FOR IP IN MINIMAL SCALE), NUMBER OF REGISTERABLE IPS IS 16,000,000</td><td>SITE IDENTIFICATION BITS (20 BITS) (FOR IP IN SMALL SCALE), NUMBER OF REGISTERABLE IPS IS 1,048,575</td><td>SITE IDENTIFICATION BITS (16 BITS) (FOR IP IN MEDIUM SCALE), NUMBER OF REGISTERABLE IPS IS 65,535</td><td>SITE IDENTIFICATION BITS (12 BITS) (FOR IP IN LARGE SCALE), NUMBER OF REGISTERABLE IPS IS 2,047</td><td>SITE IDENTIFICATION BITS (8 BITS) (FOR IP IN MAXIMAL SCALE AND CanDI SERVER), THE MAXIMUM NUMBER OF REGISTERABLE IPS IS 256</td></tr>
<tr><td>29
~
32</td><td rowspan="8"></td><td rowspan="7"></td><td rowspan="6"></td><td rowspan="5"></td><td rowspan="4">INDIVIDUAL INFORMATION ID BITS (27 BITS), EACH IP CAN REGISTER UP TO ABOUT 130,000,000 PIECES OF INFORMATION</td></tr>
<tr><td>33
~
36</td><td rowspan="3">INDIVIDUAL INFORMATION ID BITS (23 BITS), EACH IP CAN REGISTER UP TO ABOUT 8,000,000 PIECES OF INFORMATION</td></tr>
<tr><td>37
~
40</td><td rowspan="2">INDIVIDUAL INFORMATION ID BITS (19 BITS), EACH IP CAN REGISTER UP TO ABOUT 500,000 PIECES OF INFORMATION</td></tr>
<tr><td>41
~
44</td><td rowspan="2">INDIVIDUAL INFORMATION ID BITS (15 BITS), EACH IP CAN REGISTER UP TO ABOUT 32,767 PIECES OF INFORMATION</td></tr>
<tr><td>45
~
55</td><td>INDIVIDUAL INFORMATION ID BITS (11 BITS), EACH IP CAN REGISTER UP TO ABOUT 2,047 PIECES OF INFORMATION</td></tr>
<tr><td>56
57
58
59</td><td colspan="5" rowspan="4">SURFIX (9 BITS), 512 PIECES AT MAXIMUM</td><td>TYPE OF SURFIX (3 BITS),
7 TYPES AT MAXIMUM</td></tr>
<tr><td>60
61
62
63
64</td><td>SURFIX (5 BITS),
31 PIECES AT MAXIMUM</td></tr>
</table>

FIG. 19

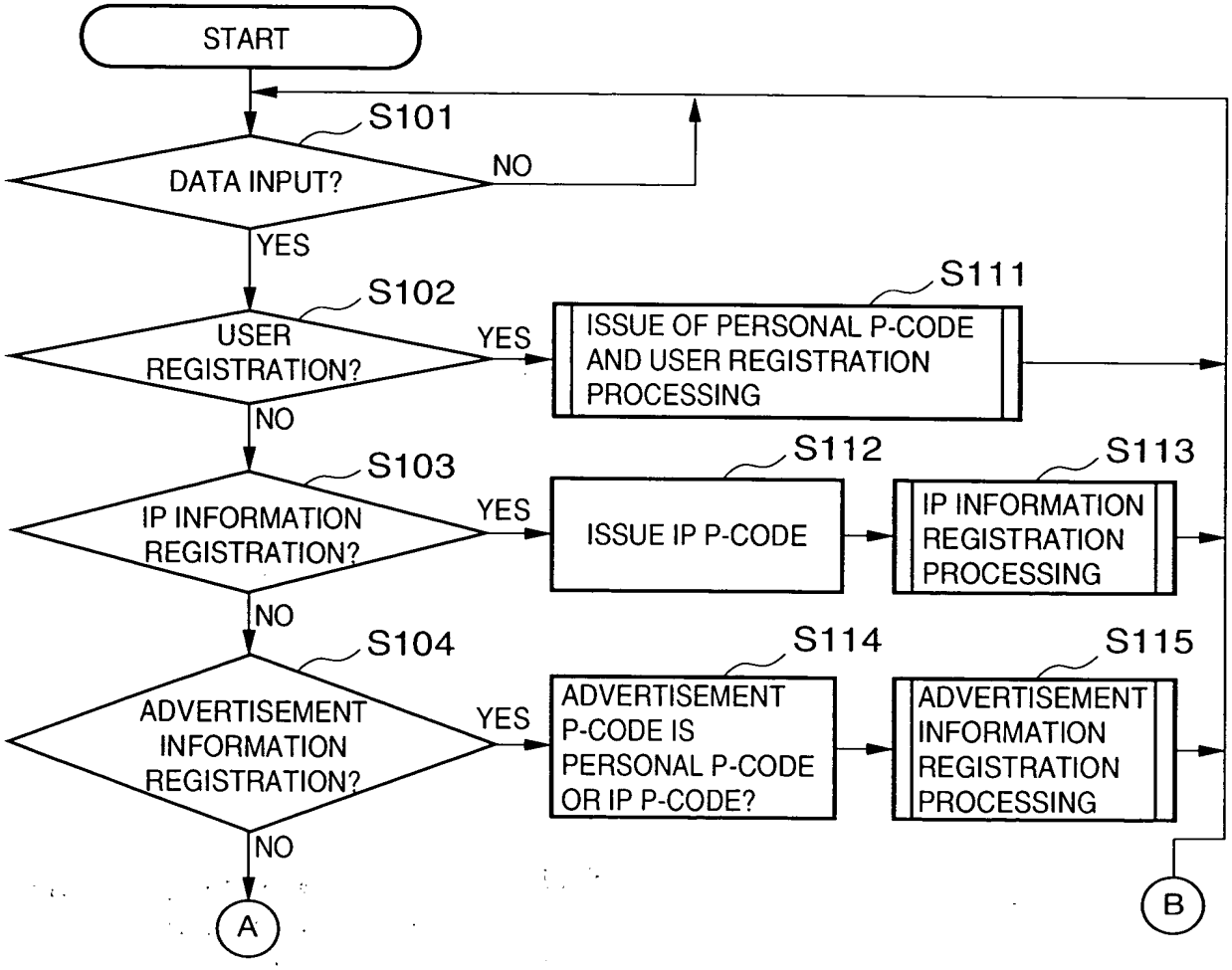

START
S101
DATA INPUT?
NO
YES
S102
USER REGISTRATION?
YES
S111
ISSUE OF PERSONAL P-CODE AND USER REGISTRATION PROCESSING
NO
S103
IP INFORMATION REGISTRATION?
YES
S112
ISSUE IP P-CODE
S113
IP INFORMATION REGISTRATION PROCESSING
NO
S104
ADVERTISEMENT INFORMATION REGISTRATION?
YES
S114
ADVERTISEMENT P-CODE IS PERSONAL P-CODE OR IP P-CODE?
S115
ADVERTISEMENT INFORMATION REGISTRATION PROCESSING
NO
A
B

FIG. 20

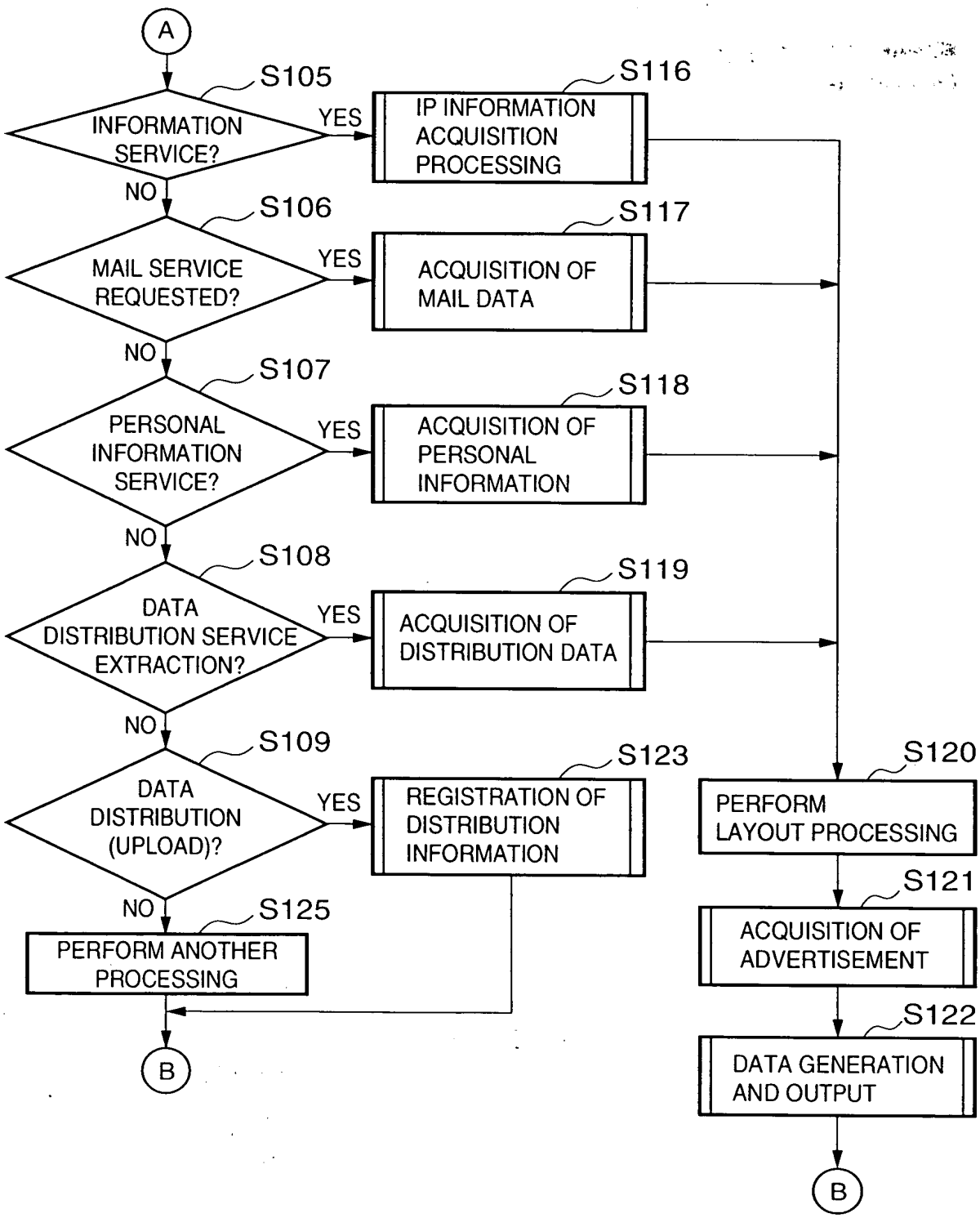

A
S105
INFORMATION SERVICE?
YES
S116
IP INFORMATION ACQUISITION PROCESSING
NO
S106
MAIL SERVICE REQUESTED?
YES
S117
ACQUISITION OF MAIL DATA
NO
S107
PERSONAL INFORMATION SERVICE?
YES
S118
ACQUISITION OF PERSONAL INFORMATION
NO
S108
DATA DISTRIBUTION SERVICE EXTRACTION?
YES
S119
ACQUISITION OF DISTRIBUTION DATA
NO
S109
DATA DISTRIBUTION (UPLOAD)?
YES
S123
REGISTRATION OF DISTRIBUTION INFORMATION
NO
S125
PERFORM ANOTHER PROCESSING
B
S120
PERFORM LAYOUT PROCESSING
S121
ACQUISITION OF ADVERTISEMENT
S122
DATA GENERATION AND OUTPUT
B

FIG. 21

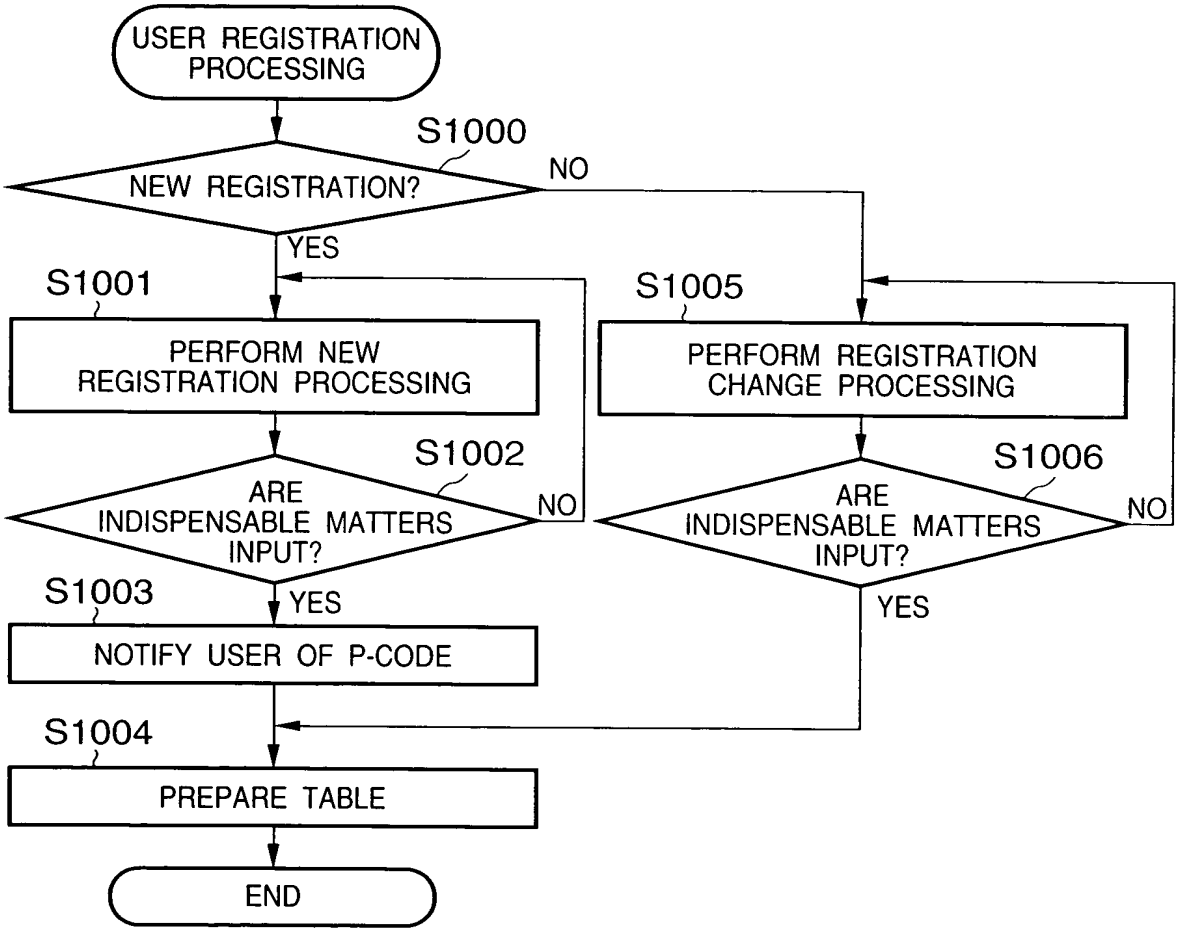

USER REGISTRATION PROCESSING
S1000
NEW REGISTRATION?
NO
YES
S1001
PERFORM NEW REGISTRATION PROCESSING
S1002
ARE INDISPENSABLE MATTERS INPUT?
NO
YES
S1003
NOTIFY USER OF P-CODE
S1004
PREPARE TABLE
END
S1005
PERFORM REGISTRATION CHANGE PROCESSING
S1006
ARE INDISPENSABLE MATTERS INPUT?
NO
YES

FIG. 22

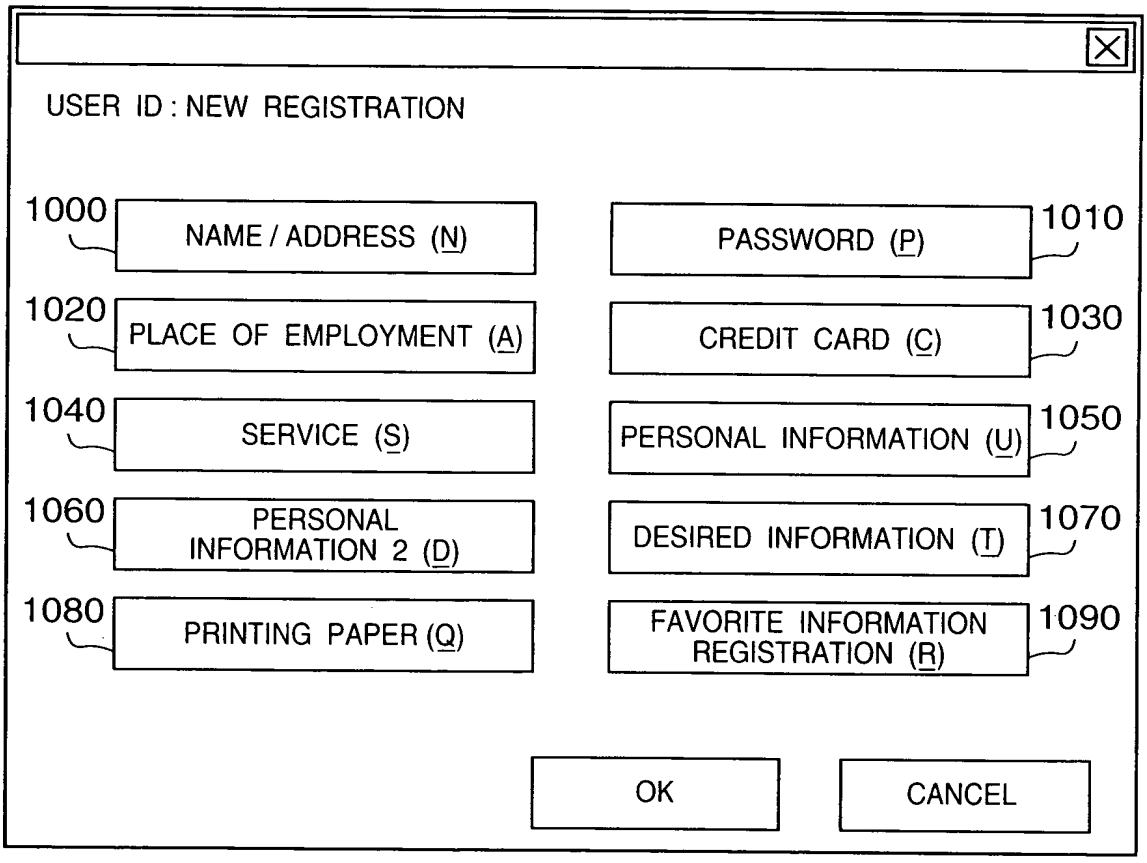

USER ID : NEW REGISTRATION
1000
NAME / ADDRESS (N)
PASSWORD (P)
1010
1020
PLACE OF EMPLOYMENT (A)
CREDIT CARD (C)
1030
1040
SERVICE (S)
PERSONAL INFORMATION (U)
1050
1060
PERSONAL INFORMATION 2 (D)
DESIRED INFORMATION (T)
1070
1080
PRINTING PAPER (Q)
FAVORITE INFORMATION REGISTRATION (R)
1090
OK
CANCEL

FIG. 23

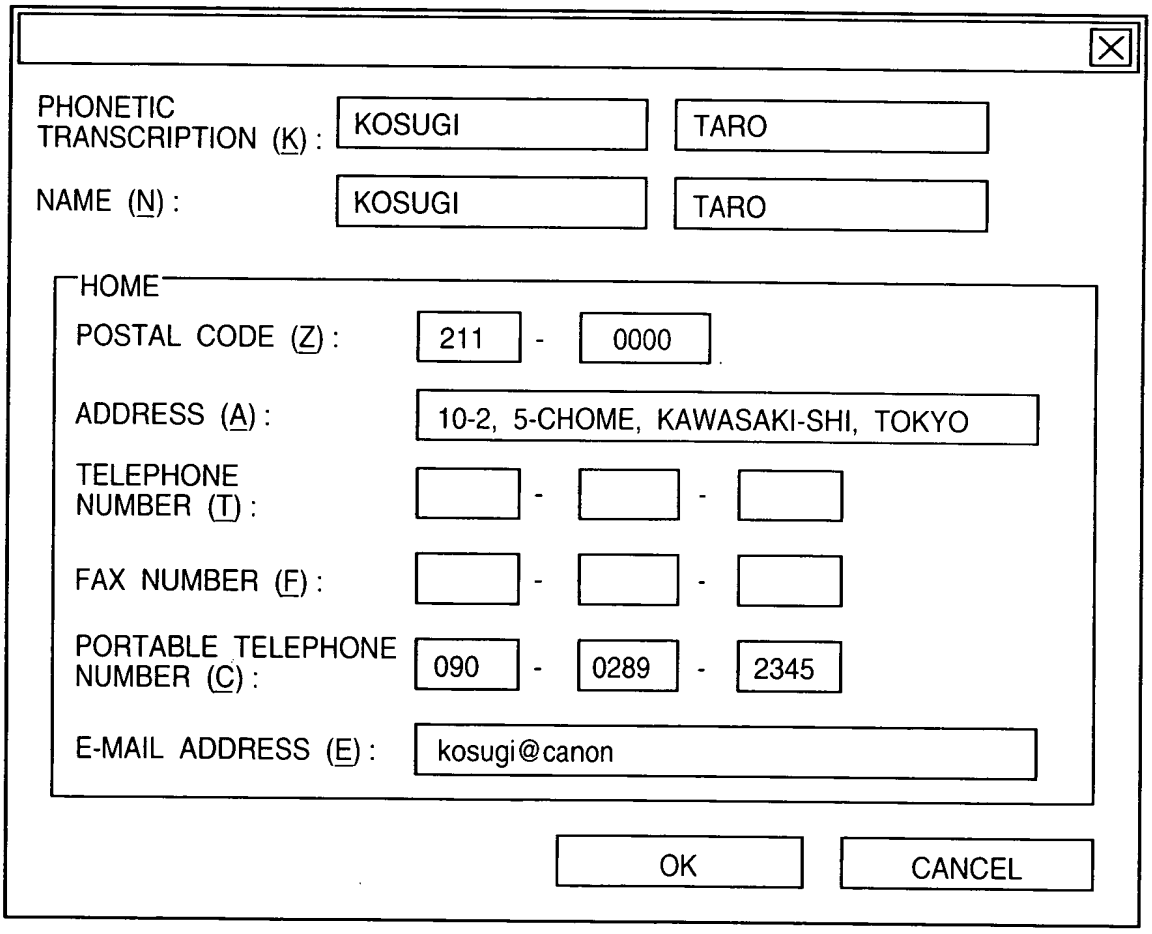

PHONETIC TRANSCRIPTION (K):
KOSUGI
TARO
NAME (N):
KOSUGI
TARO
HOME
POSTAL CODE (Z):
211
-
0000
ADDRESS (A):
10-2, 5-CHOME, KAWASAKI-SHI, TOKYO
TELEPHONE NUMBER (T):
FAX NUMBER (F):
PORTABLE TELEPHONE NUMBER (C):
090
-
0289
-
2345
E-MAIL ADDRESS (E):
kosugi@canon
OK
CANCEL

FIG. 24

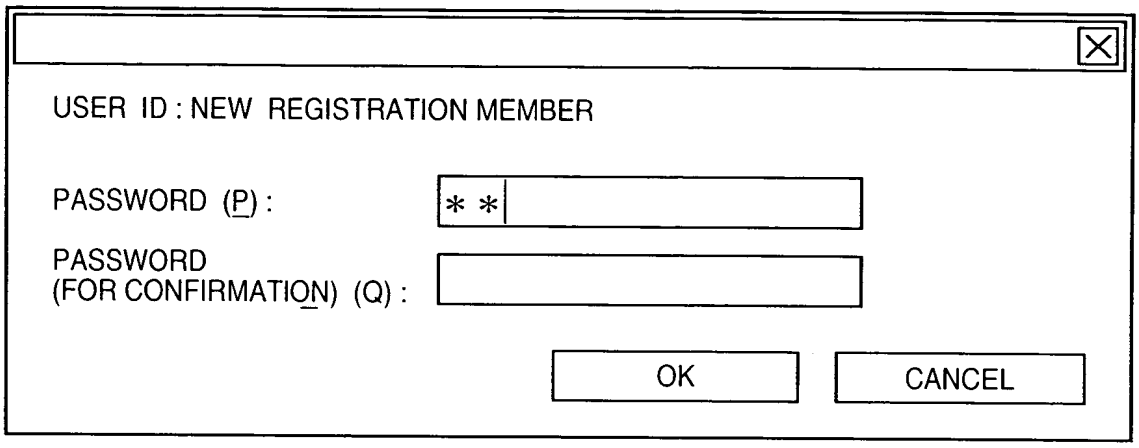

USER ID : NEW REGISTRATION MEMBER
PASSWORD (P) :
* *
PASSWORD
(FOR CONFIRMATION) (Q) :
OK
CANCEL

FIG. 25

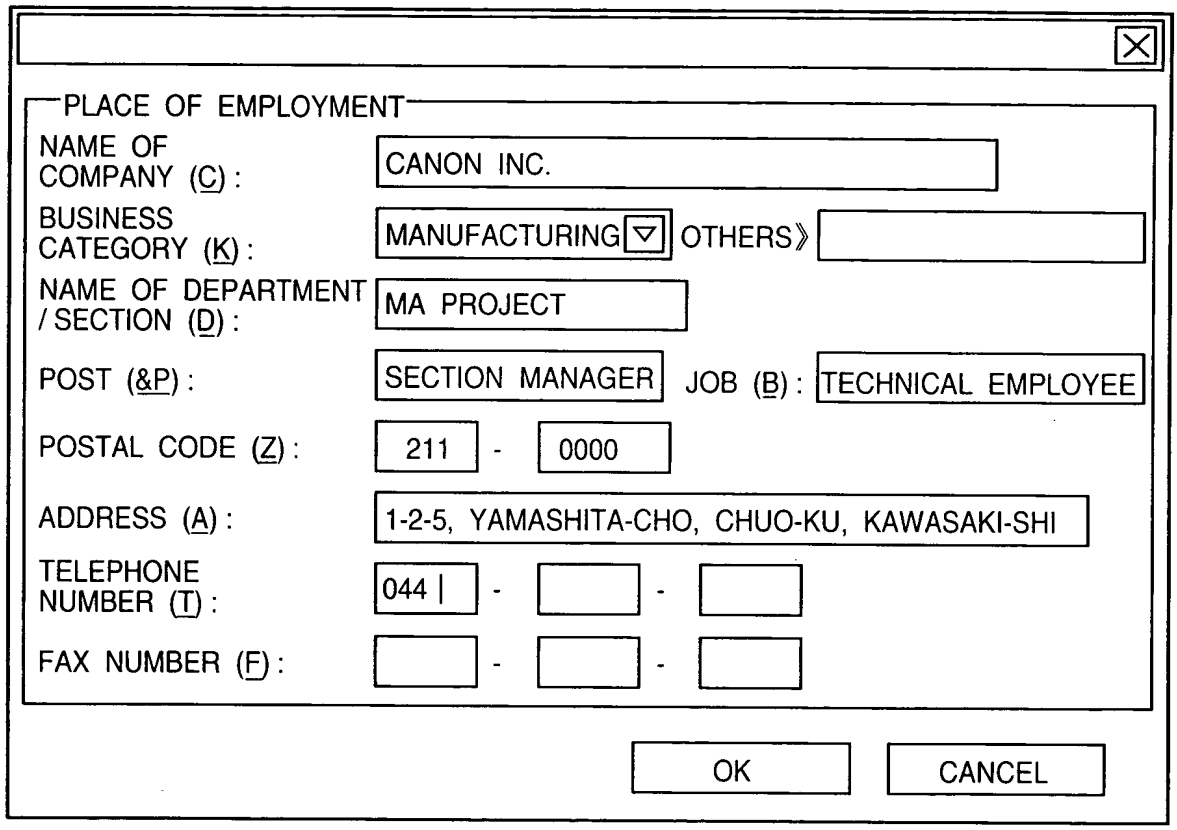

PLACE OF EMPLOYMENT
NAME OF COMPANY (C):
CANON INC.
BUSINESS CATEGORY (K):
MANUFACTURING
OTHERS》
NAME OF DEPARTMENT / SECTION (D):
MA PROJECT
POST (&P):
SECTION MANAGER
JOB (B):
TECHNICAL EMPLOYEE
POSTAL CODE (Z):
211
-
0000
ADDRESS (A):
1-2-5, YAMASHITA-CHO, CHUO-KU, KAWASAKI-SHI
TELEPHONE NUMBER (T):
044
FAX NUMBER (F):
OK
CANCEL

FIG. 26

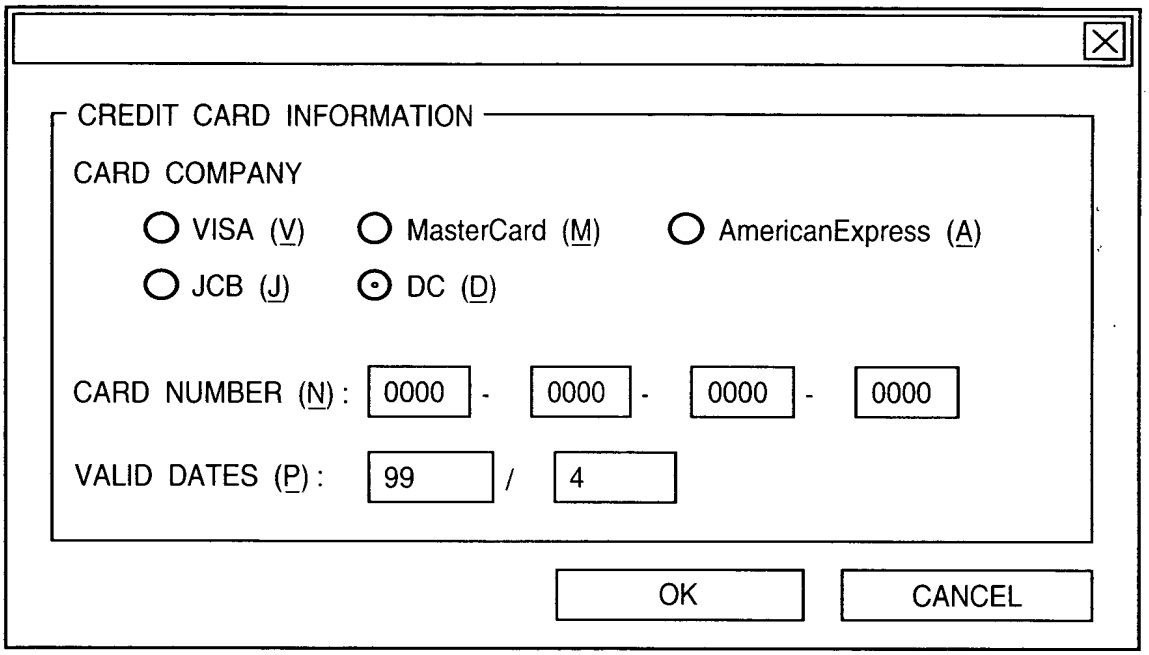

CREDIT CARD INFORMATION
CARD COMPANY
VISA (V)
MasterCard (M)
AmericanExpress (A)
JCB (J)
DC (D)
CARD NUMBER (N):
0000
0000
0000
0000
VALID DATES (P):
99
/
4
OK
CANCEL

FIG. 27

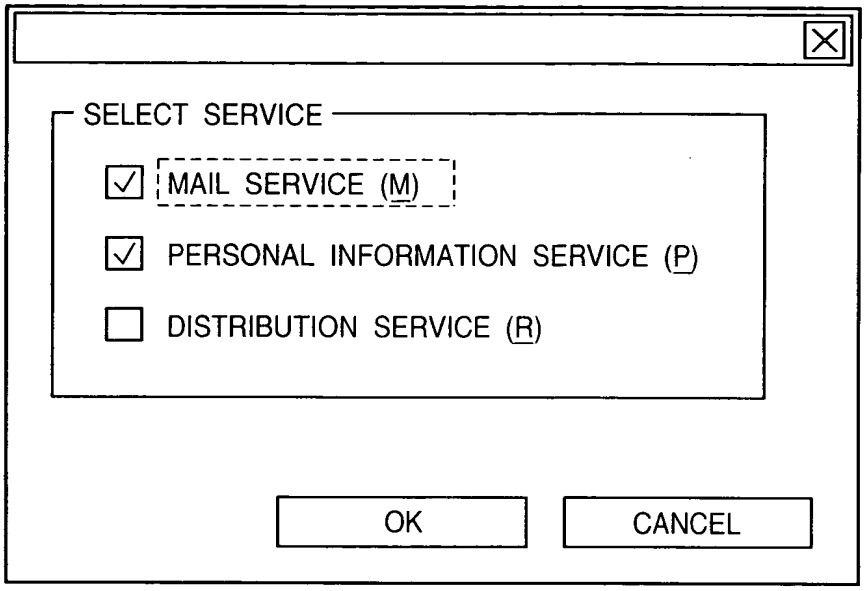

SELECT SERVICE
MAIL SERVICE (M)
PERSONAL INFORMATION SERVICE (P)
DISTRIBUTION SERVICE (R)
OK
CANCEL

FIG. 28

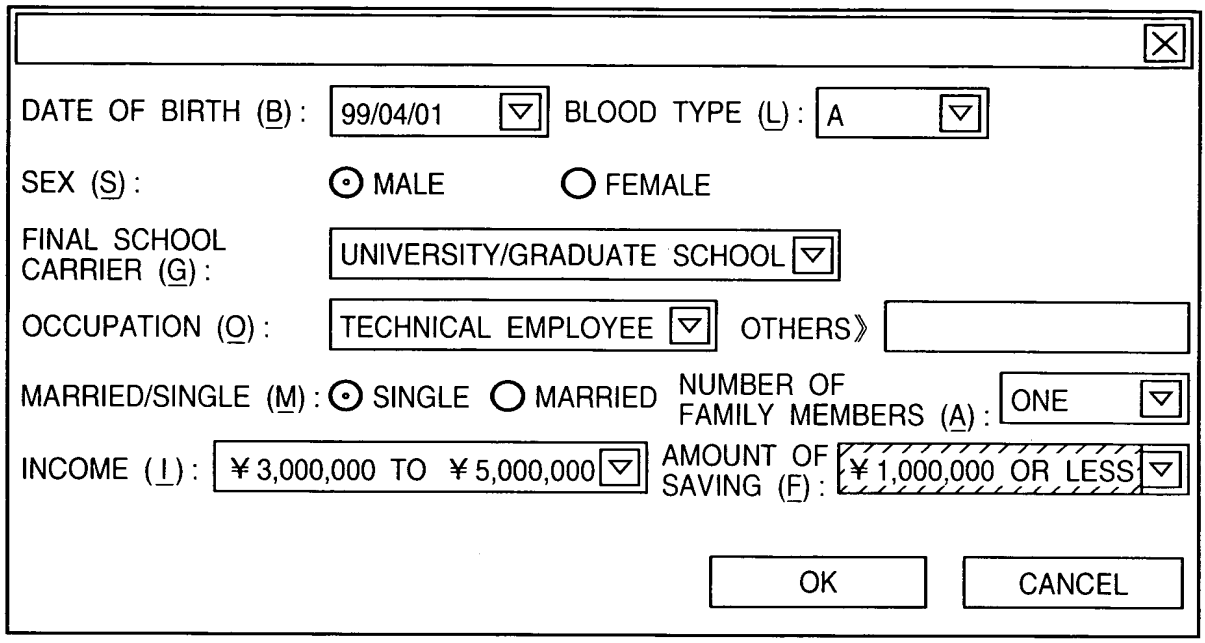

DATE OF BIRTH (B):
99/04/01
BLOOD TYPE (L):
A
SEX (S):
MALE
FEMALE
FINAL SCHOOL CARRIER (G):
UNIVERSITY/GRADUATE SCHOOL
OCCUPATION (O):
TECHNICAL EMPLOYEE
OTHERS》
MARRIED/SINGLE (M):
SINGLE
MARRIED
NUMBER OF FAMILY MEMBERS (A):
ONE
INCOME (I):
¥3,000,000 TO ¥5,000,000
AMOUNT OF SAVING (F):
¥1,000,000 OR LESS
OK
CANCEL

FIG. 29

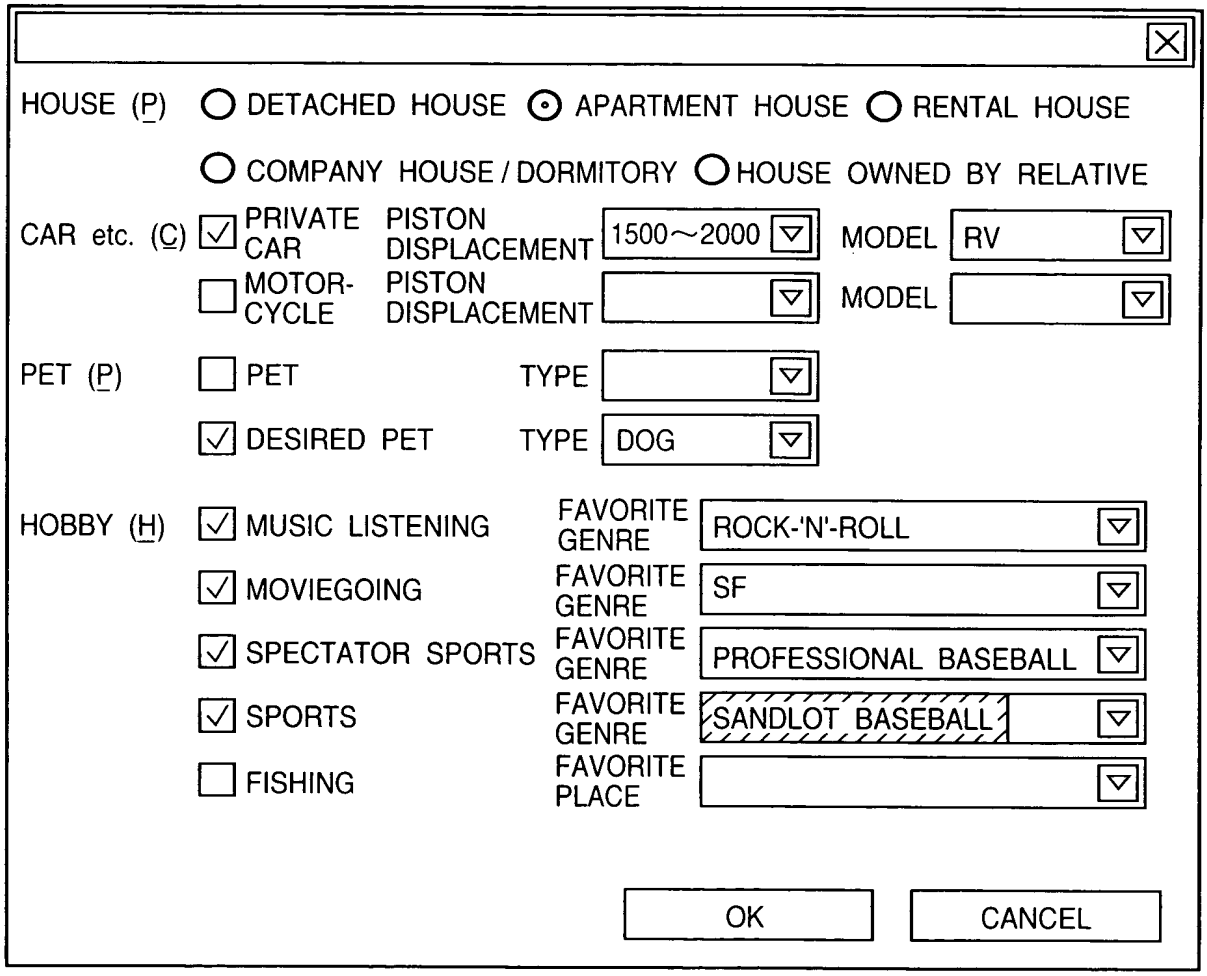

HOUSE (P)
DETACHED HOUSE
APARTMENT HOUSE
RENTAL HOUSE
COMPANY HOUSE / DORMITORY
HOUSE OWNED BY RELATIVE
CAR etc. (C)
PRIVATE CAR
PISTON DISPLACEMENT
1500～2000
MODEL
RV
MOTOR-CYCLE
PISTON DISPLACEMENT
MODEL
PET (P)
PET
TYPE
DESIRED PET
TYPE
DOG
HOBBY (H)
MUSIC LISTENING
FAVORITE GENRE
ROCK-'N'-ROLL
MOVIEGOING
FAVORITE GENRE
SF
SPECTATOR SPORTS
FAVORITE GENRE
PROFESSIONAL BASEBALL
SPORTS
FAVORITE GENRE
SANDLOT BASEBALL
FISHING
FAVORITE PLACE
OK
CANCEL

FIG. 30

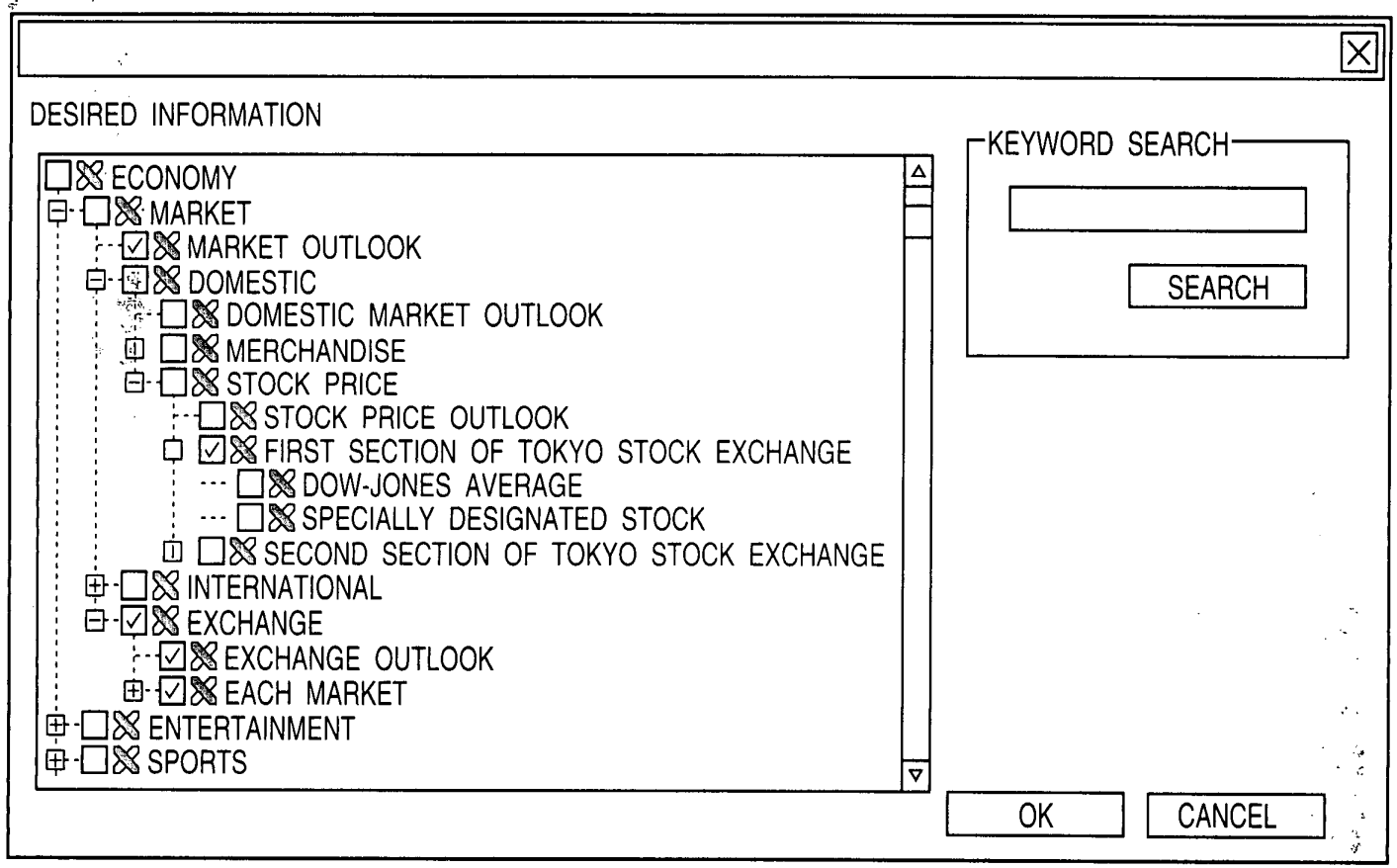

DESIRED INFORMATION
ECONOMY
MARKET
MARKET OUTLOOK
DOMESTIC
DOMESTIC MARKET OUTLOOK
MERCHANDISE
STOCK PRICE
STOCK PRICE OUTLOOK
FIRST SECTION OF TOKYO STOCK EXCHANGE
DOW-JONES AVERAGE
SPECIALLY DESIGNATED STOCK
SECOND SECTION OF TOKYO STOCK EXCHANGE
INTERNATIONAL
EXCHANGE
EXCHANGE OUTLOOK
EACH MARKET
ENTERTAINMENT
SPORTS
KEYWORD SEARCH
SEARCH
OK
CANCEL

FIG. 31

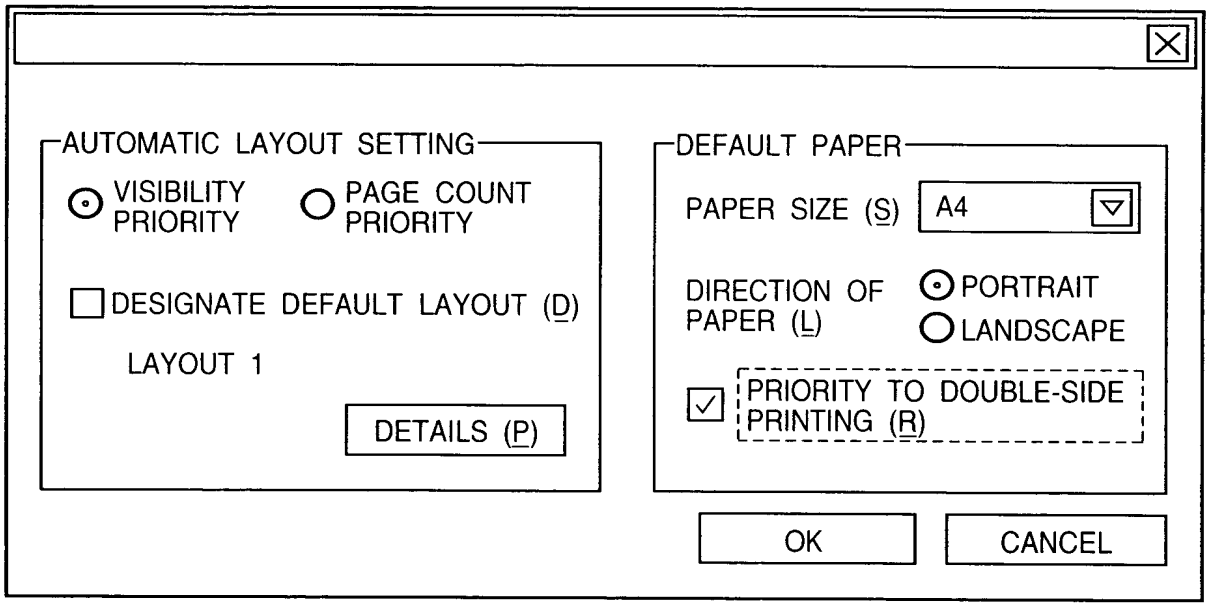

AUTOMATIC LAYOUT SETTING
VISIBILITY PRIORITY
PAGE COUNT PRIORITY
DESIGNATE DEFAULT LAYOUT (D)
LAYOUT 1
DETAILS (P)
DEFAULT PAPER
PAPER SIZE (S)
A4
DIRECTION OF PAPER (L)
PORTRAIT
LANDSCAPE
PRIORITY TO DOUBLE-SIDE PRINTING (R)
OK
CANCEL

FIG. 32

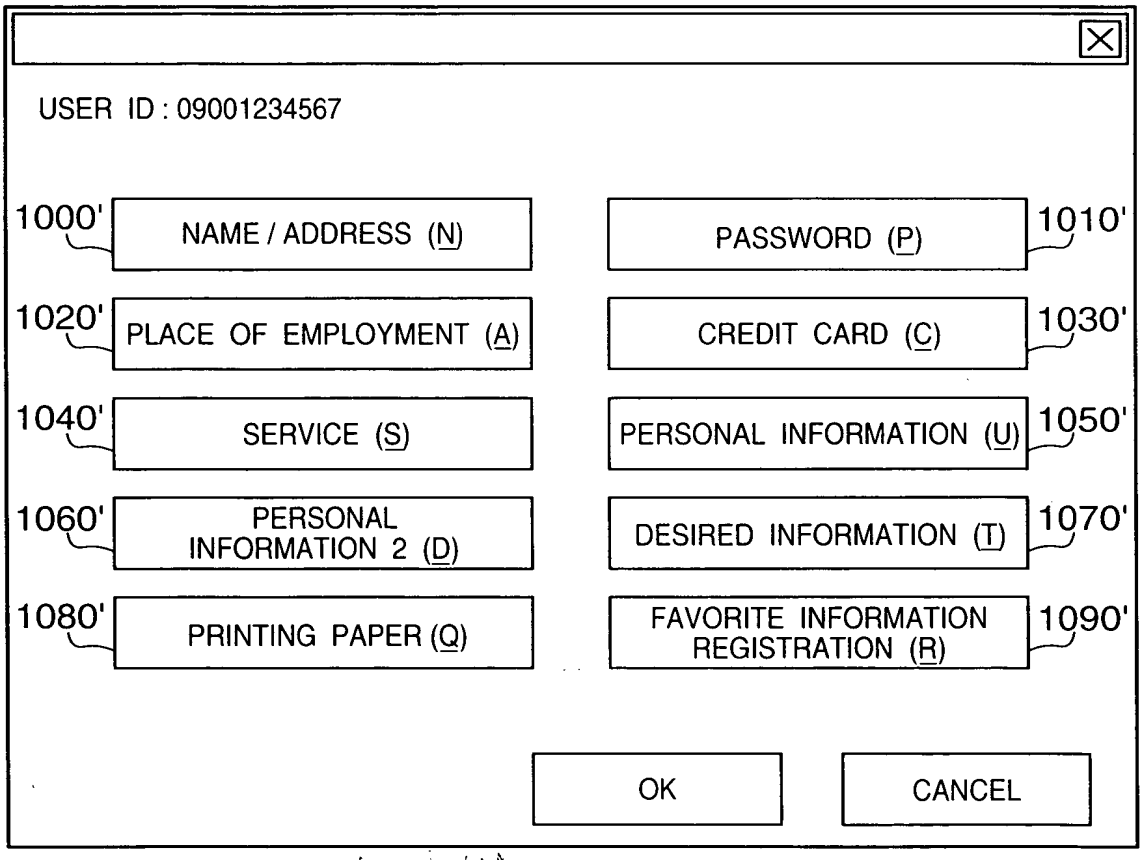

USER ID : 09001234567
1000'
NAME / ADDRESS (N)
1010'
PASSWORD (P)
1020'
PLACE OF EMPLOYMENT (A)
1030'
CREDIT CARD (C)
1040'
SERVICE (S)
1050'
PERSONAL INFORMATION (U)
1060'
PERSONAL INFORMATION 2 (D)
1070'
DESIRED INFORMATION (T)
1080'
PRINTING PAPER (Q)
1090'
FAVORITE INFORMATION REGISTRATION (R)
OK
CANCEL

FIG. 33

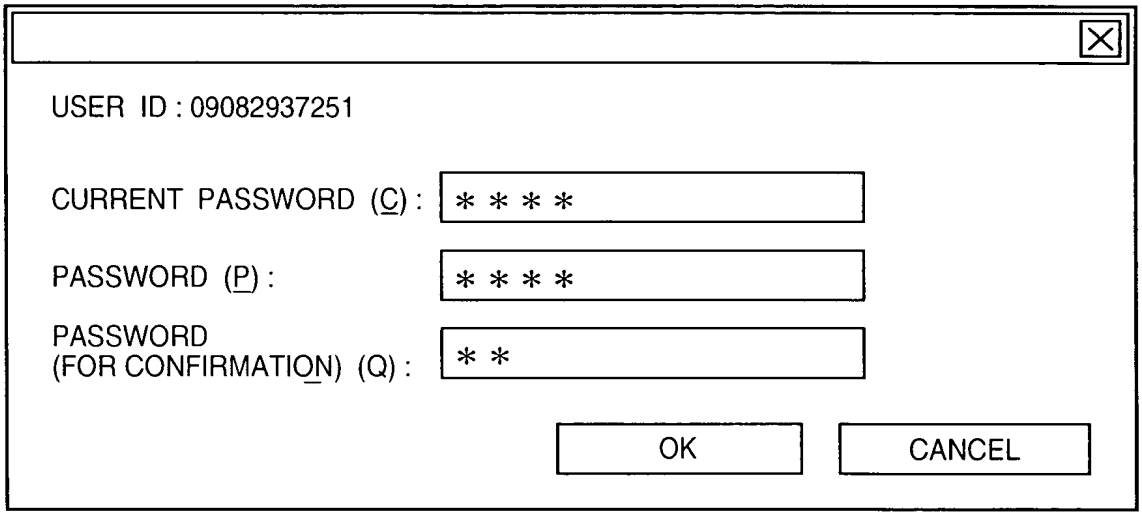

USER ID : 09082937251
CURRENT PASSWORD (C) :
* * * *
PASSWORD (P) :
* * * *
PASSWORD
(FOR CONFIRMATION) (Q) :
* *
OK
CANCEL

FIG. 34

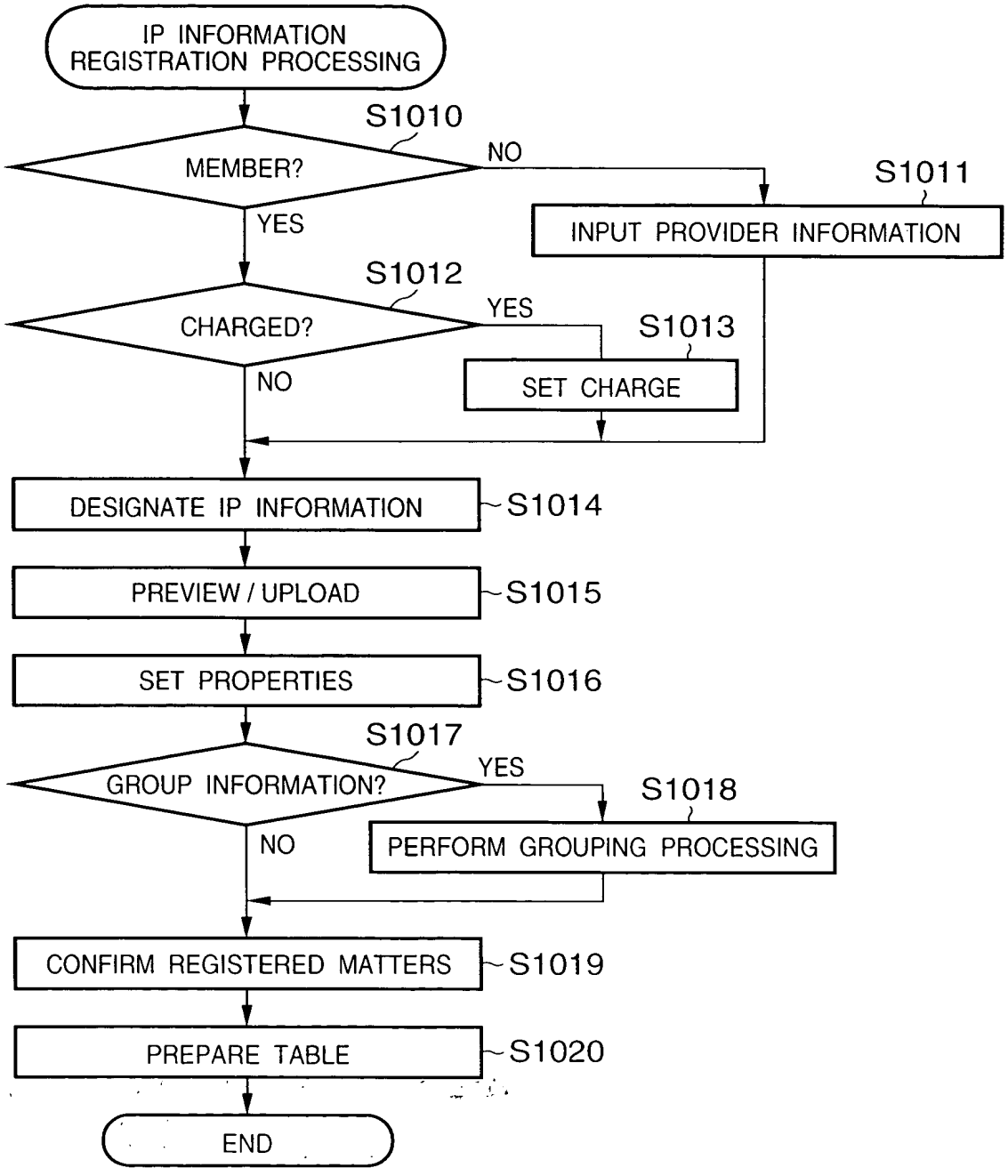

IP INFORMATION REGISTRATION PROCESSING
S1010
MEMBER?
NO
S1011
INPUT PROVIDER INFORMATION
YES
S1012
CHARGED?
YES
S1013
SET CHARGE
NO
DESIGNATE IP INFORMATION
S1014
PREVIEW / UPLOAD
S1015
SET PROPERTIES
S1016
S1017
GROUP INFORMATION?
YES
S1018
PERFORM GROUPING PROCESSING
NO
CONFIRM REGISTERED MATTERS
S1019
PREPARE TABLE
S1020
END

FIG. 35

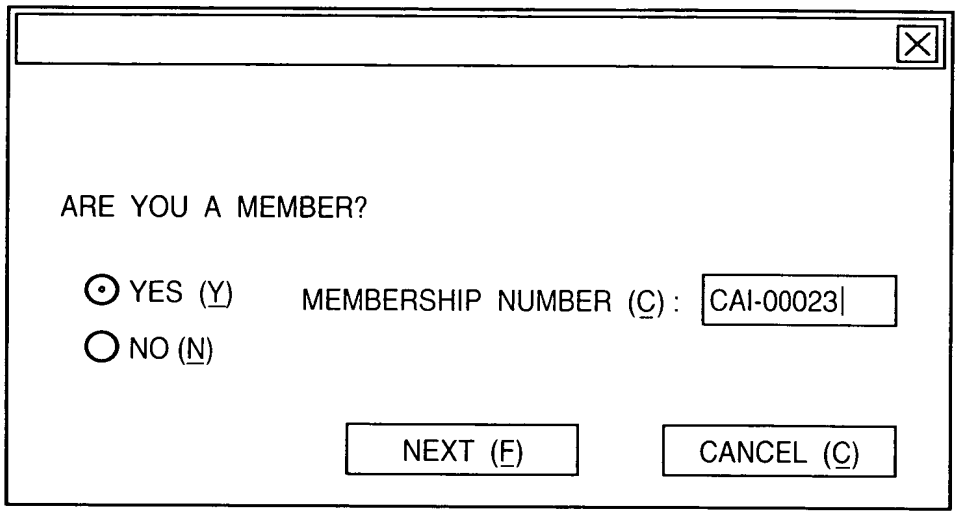

ARE YOU A MEMBER?
YES (Y)
NO (N)
MEMBERSHIP NUMBER (C):
CAI-00023
NEXT (F)
CANCEL (C)

FIG. 36

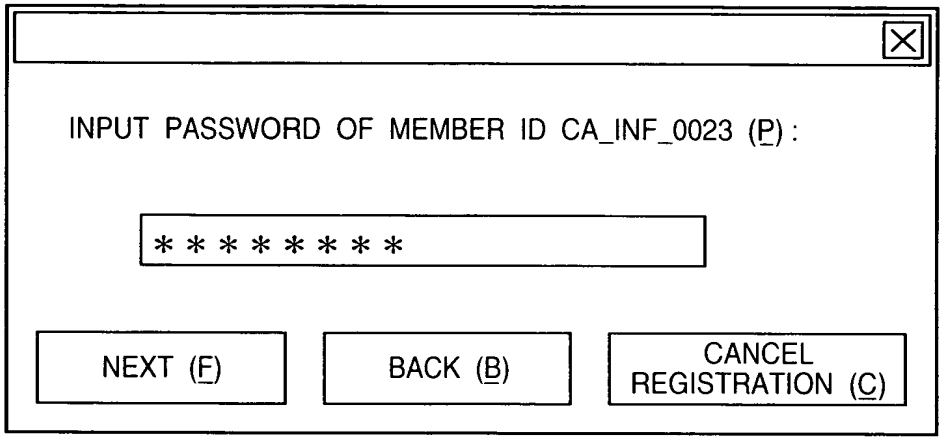

INPUT PASSWORD OF MEMBER ID CA_INF_0023 (P):
****
NEXT (F)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 37

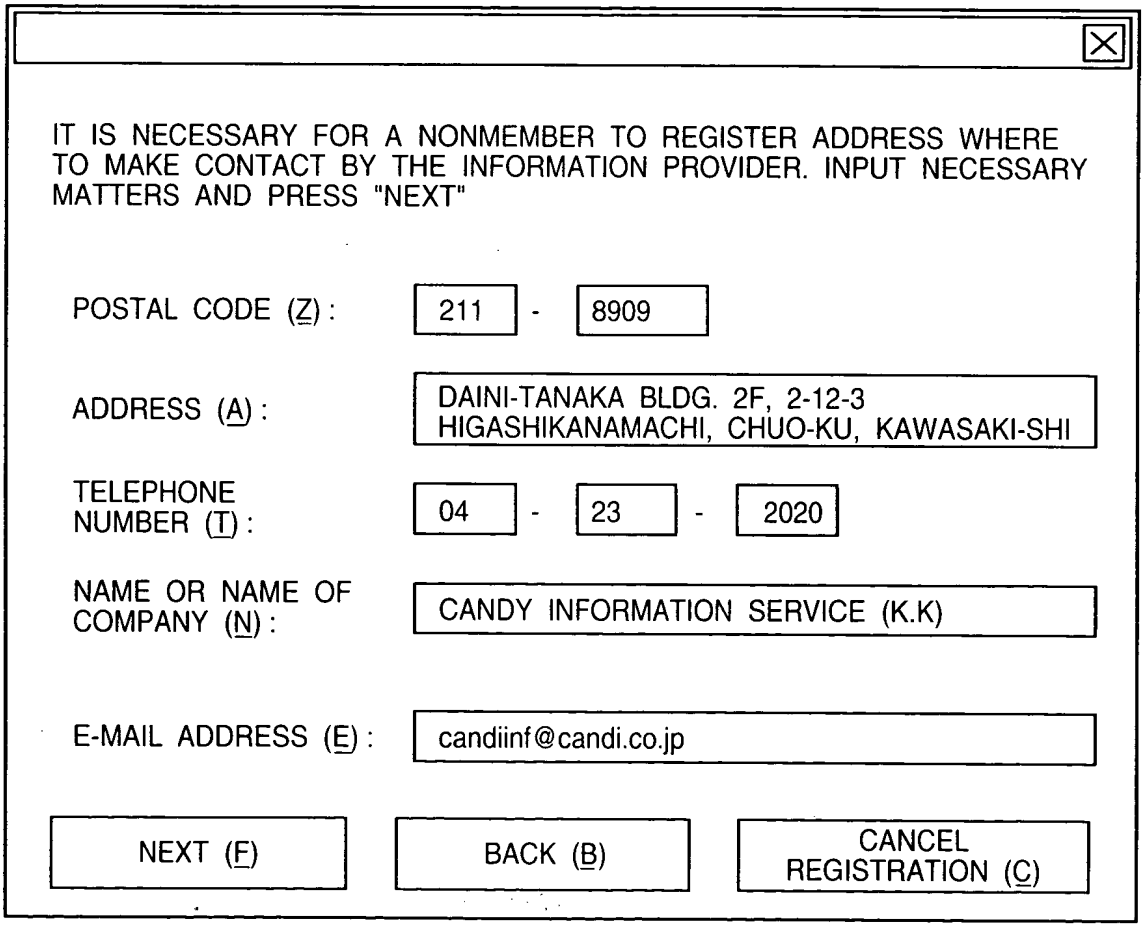
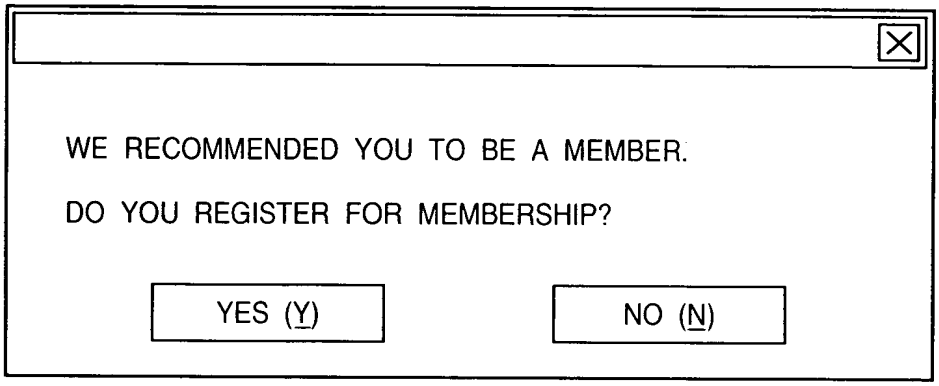

IT IS NECESSARY FOR A NONMEMBER TO REGISTER ADDRESS WHERE TO MAKE CONTACT BY THE INFORMATION PROVIDER. INPUT NECESSARY MATTERS AND PRESS "NEXT"
POSTAL CODE (Z):
211 - 8909
ADDRESS (A):
DAINI-TANAKA BLDG. 2F, 2-12-3 HIGASHIKANAMACHI, CHUO-KU, KAWASAKI-SHI
TELEPHONE NUMBER (T):
04 - 23 - 2020
NAME OR NAME OF COMPANY (N):
CANDY INFORMATION SERVICE (K.K)
E-MAIL ADDRESS (E):
candiinf@candi.co.jp
NEXT (F)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 38



DOCUMENT-2005-0150

FIG. 39

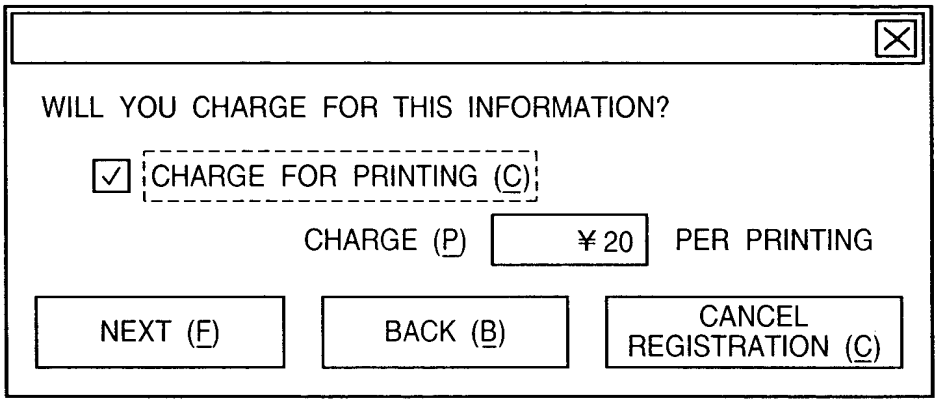

WILL YOU CHARGE FOR THIS INFORMATION?
CHARGE FOR PRINTING (C)
CHARGE (P)
¥20
PER PRINTING
NEXT (F)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 40

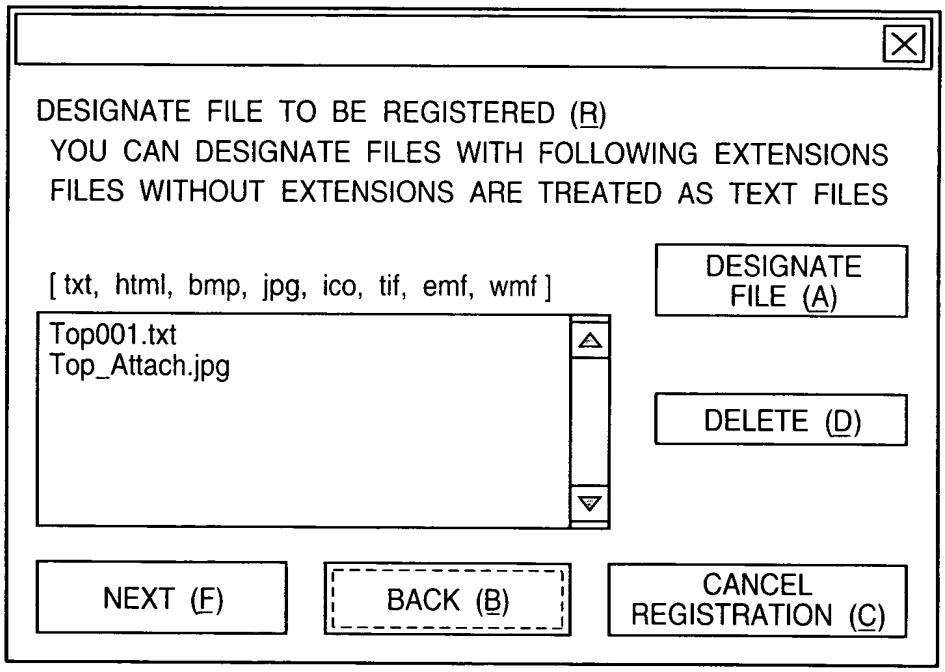

DESIGNATE FILE TO BE REGISTERED (R)
YOU CAN DESIGNATE FILES WITH FOLLOWING EXTENSIONS
FILES WITHOUT EXTENSIONS ARE TREATED AS TEXT FILES
[txt, html, bmp, jpg, ico, tif, emf, wmf]
DESIGNATE FILE (A)
Top001.txt
Top_Attach.jpg
DELETE (D)
NEXT (F)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 41

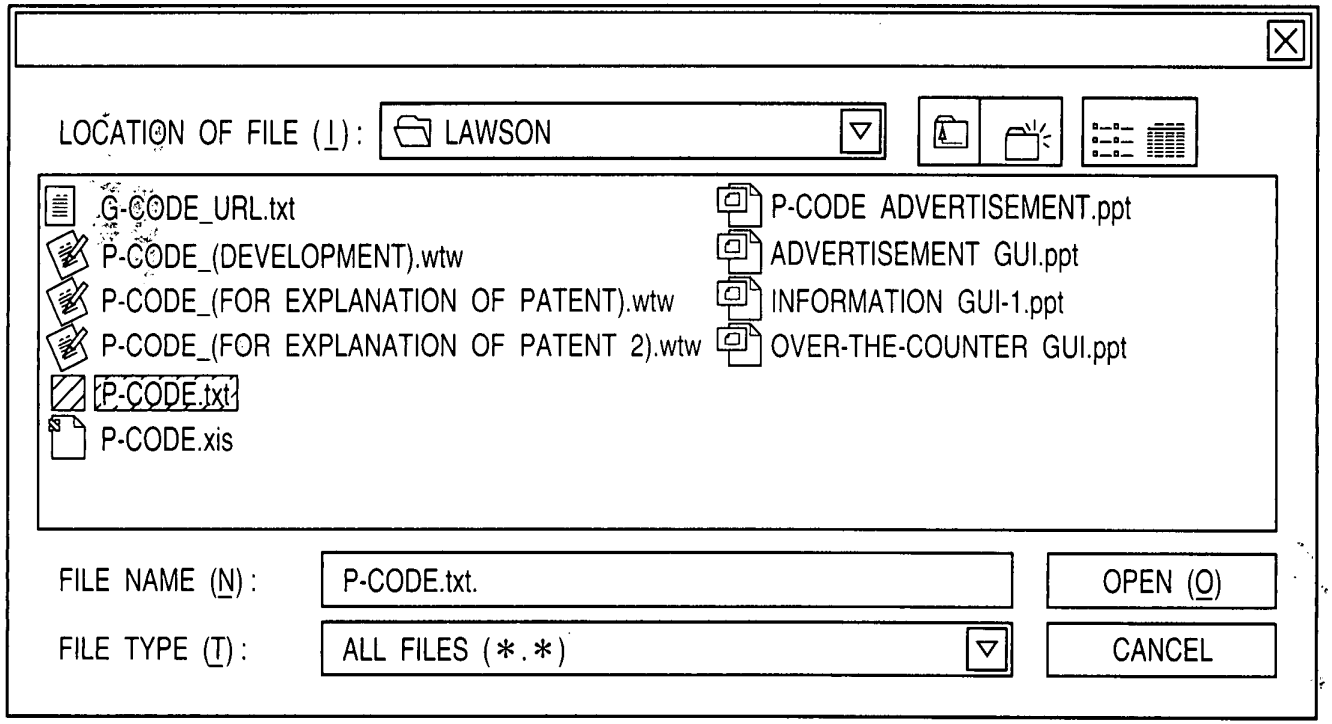

LOCATION OF FILE (L):
LAWSON
G-CODE_URL.txt
P-CODE_(DEVELOPMENT).wtw
P-CODE_(FOR EXPLANATION OF PATENT).wtw
P-CODE_(FOR EXPLANATION OF PATENT 2).wtw
P-CODE.txt
P-CODE.xis
P-CODE ADVERTISEMENT.ppt
ADVERTISEMENT GUI.ppt
INFORMATION GUI-1.ppt
OVER-THE-COUNTER GUI.ppt
FILE NAME (N):
P-CODE.txt.
OPEN (O)
FILE TYPE (T):
ALL FILES (*.*)
CANCEL

FIG. 42

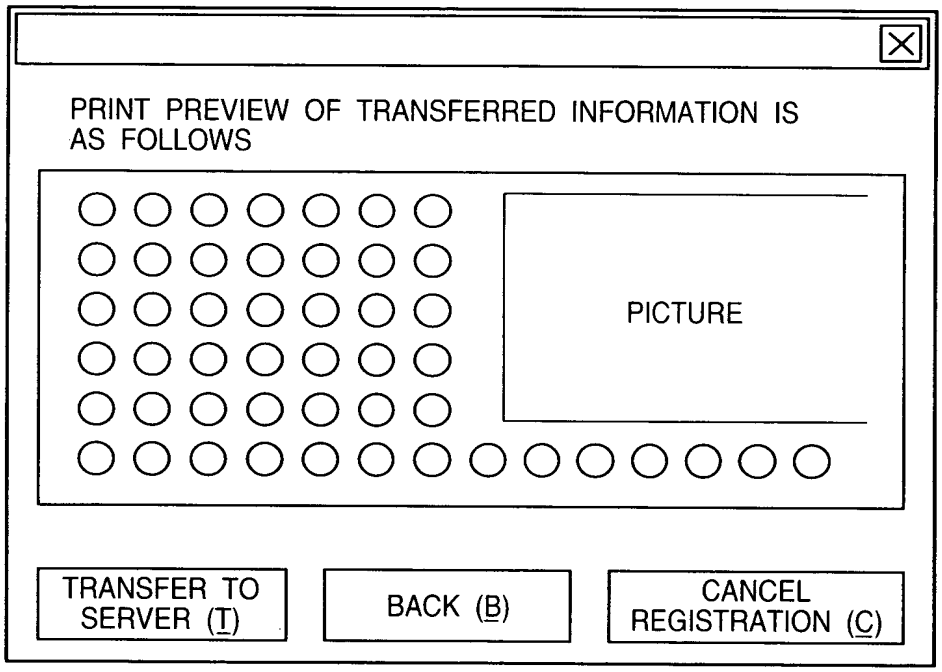

PRINT PREVIEW OF TRANSFERRED INFORMATION IS AS FOLLOWS
PICTURE
TRANSFER TO SERVER (T)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 43

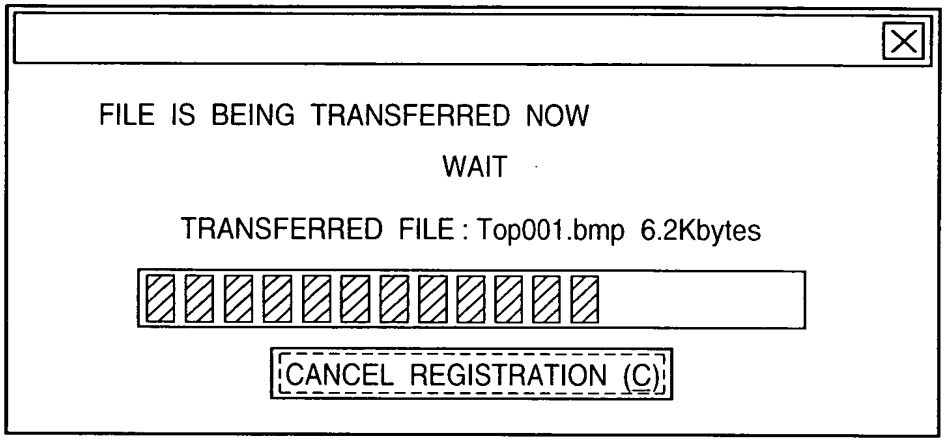

FILE IS BEING TRANSFERRED NOW
WAIT
TRANSFERRED FILE : Top001.bmp 6.2Kbytes
CANCEL REGISTRATION (C)

FIG. 44

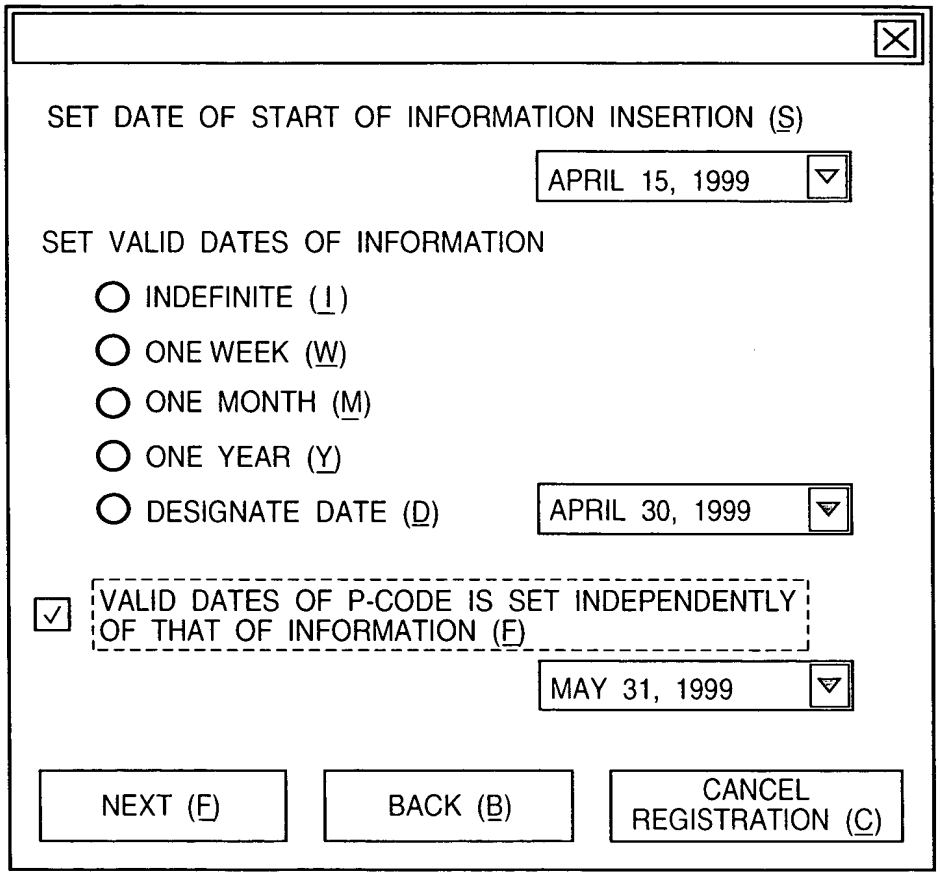

SET DATE OF START OF INFORMATION INSERTION (S)
APRIL 15, 1999
SET VALID DATES OF INFORMATION
INDEFINITE (I)
ONE WEEK (W)
ONE MONTH (M)
ONE YEAR (Y)
DESIGNATE DATE (D)
APRIL 30, 1999
VALID DATES OF P-CODE IS SET INDEPENDENTLY OF THAT OF INFORMATION (F)
MAY 31, 1999
NEXT (F)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 45

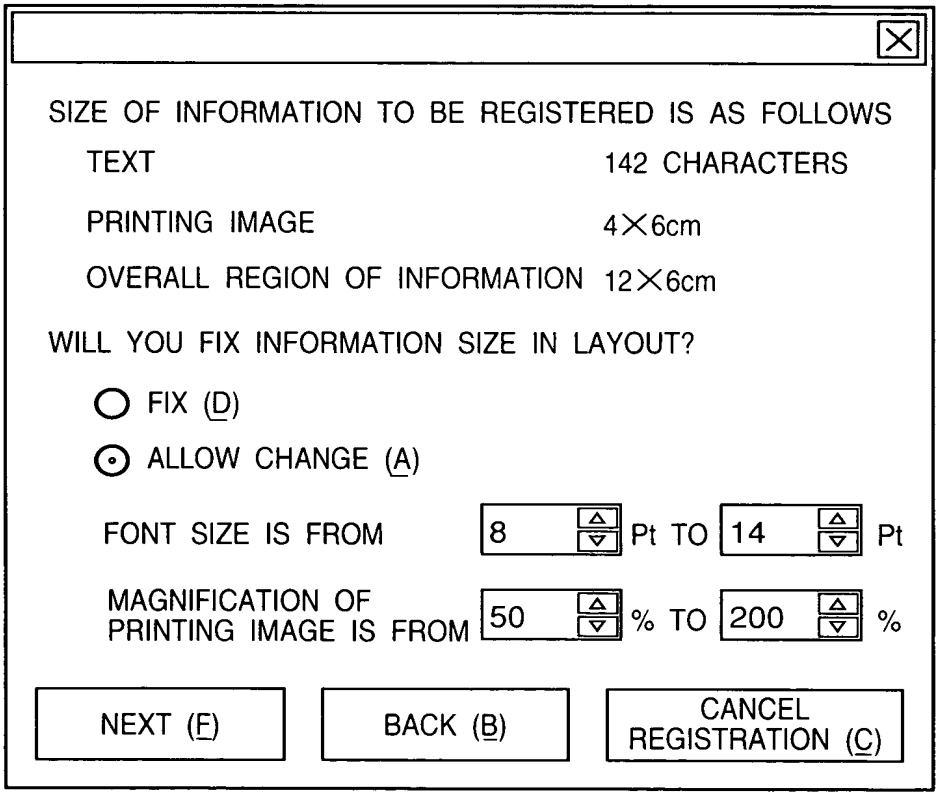

SIZE OF INFORMATION TO BE REGISTERED IS AS FOLLOWS
TEXT 142 CHARACTERS
PRINTING IMAGE 4×6cm
OVERALL REGION OF INFORMATION 12×6cm
WILL YOU FIX INFORMATION SIZE IN LAYOUT?
FIX (D)
ALLOW CHANGE (A)
FONT SIZE IS FROM 8 Pt TO 14 Pt
MAGNIFICATION OF PRINTING IMAGE IS FROM 50 % TO 200 %
NEXT (F)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 46

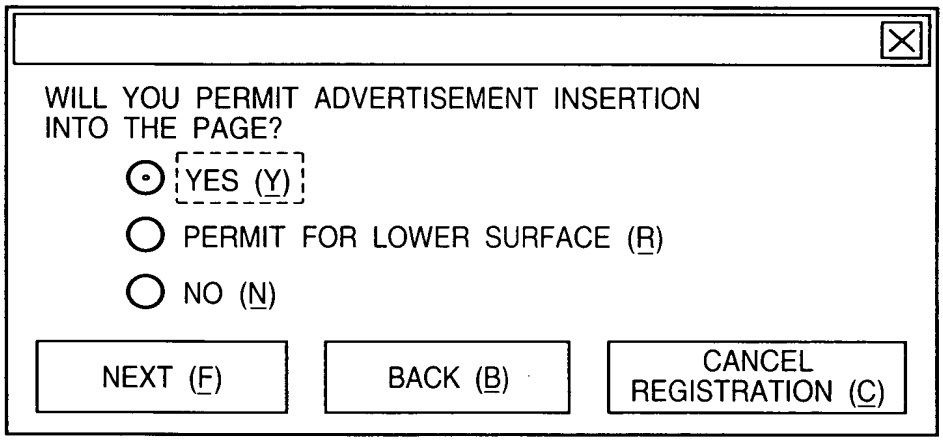

WILL YOU PERMIT ADVERTISEMENT INSERTION INTO THE PAGE?
YES (Y)
PERMIT FOR LOWER SURFACE (R)
NO (N)
NEXT (F)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 47

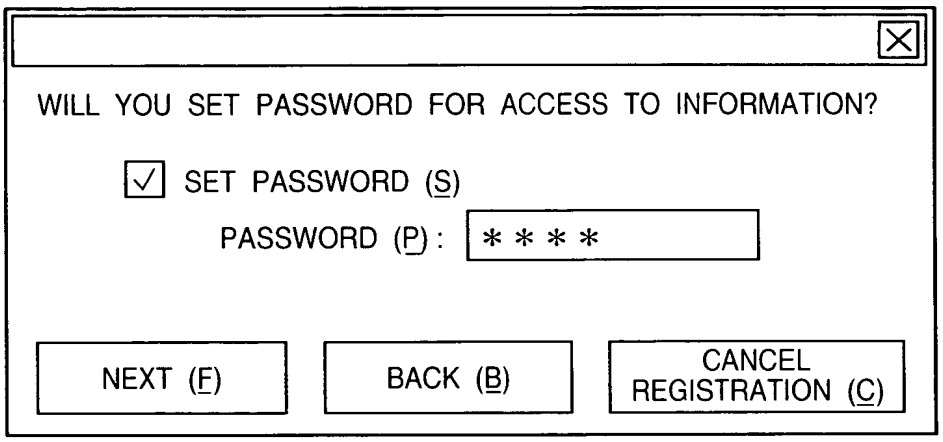

WILL YOU SET PASSWORD FOR ACCESS TO INFORMATION?
SET PASSWORD (S)
PASSWORD (P) :
* * * *
NEXT (F)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 48

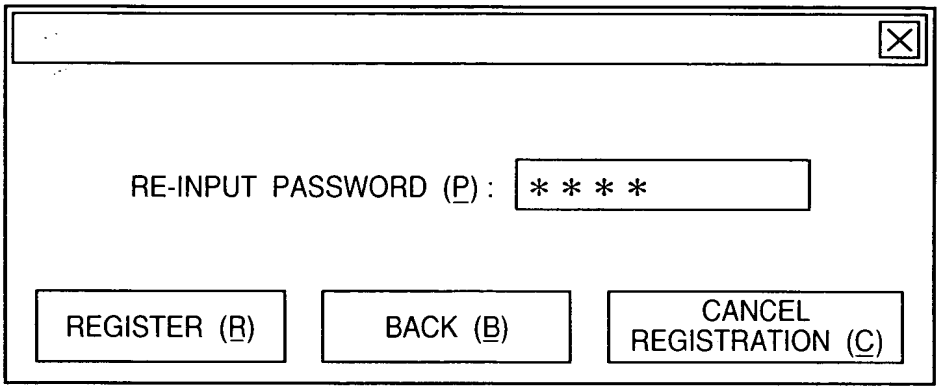


FIG. 49

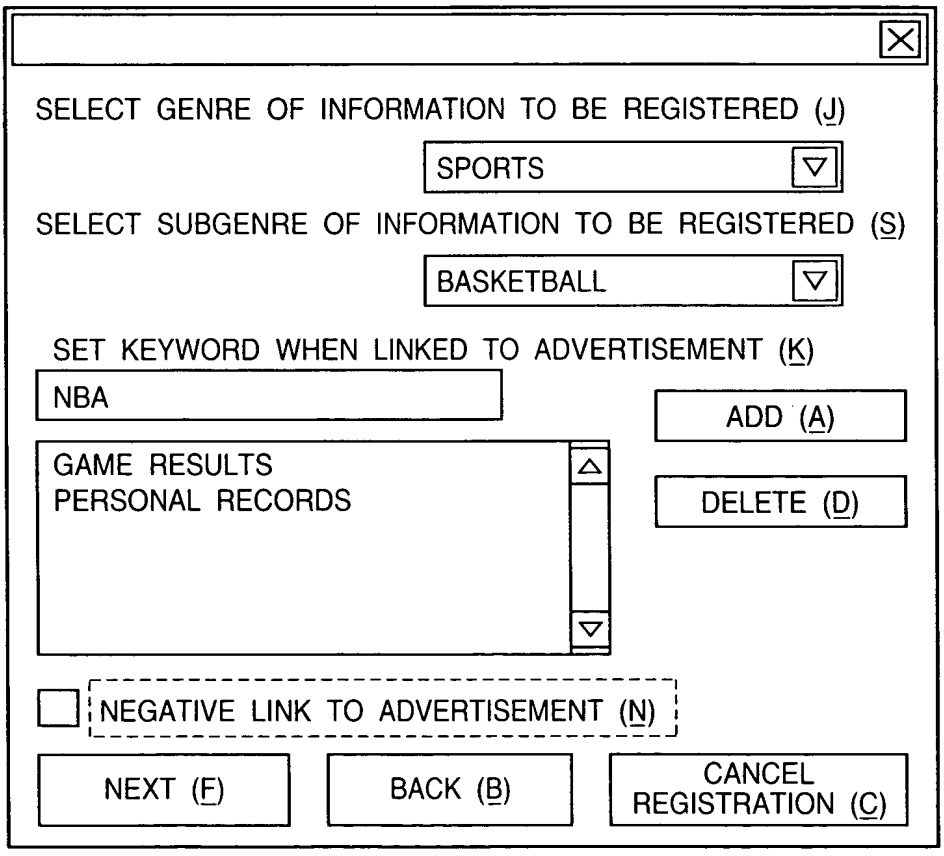

SELECT GENRE OF INFORMATION TO BE REGISTERED (J)
SPORTS
SELECT SUBGENRE OF INFORMATION TO BE REGISTERED (S)
BASKETBALL
SET KEYWORD WHEN LINKED TO ADVERTISEMENT (K)
NBA
ADD (A)
GAME RESULTS
PERSONAL RECORDS
DELETE (D)
NEGATIVE LINK TO ADVERTISEMENT (N)
NEXT (F)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 60

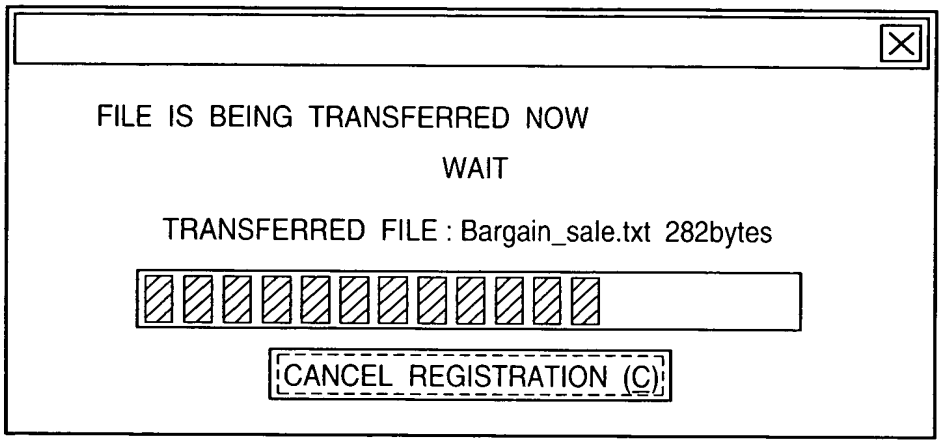

FILE IS BEING TRANSFERRED NOW
WAIT
TRANSFERRED FILE : Bargain_sale.txt 282bytes
CANCEL REGISTRATION (C)

FIG. 58

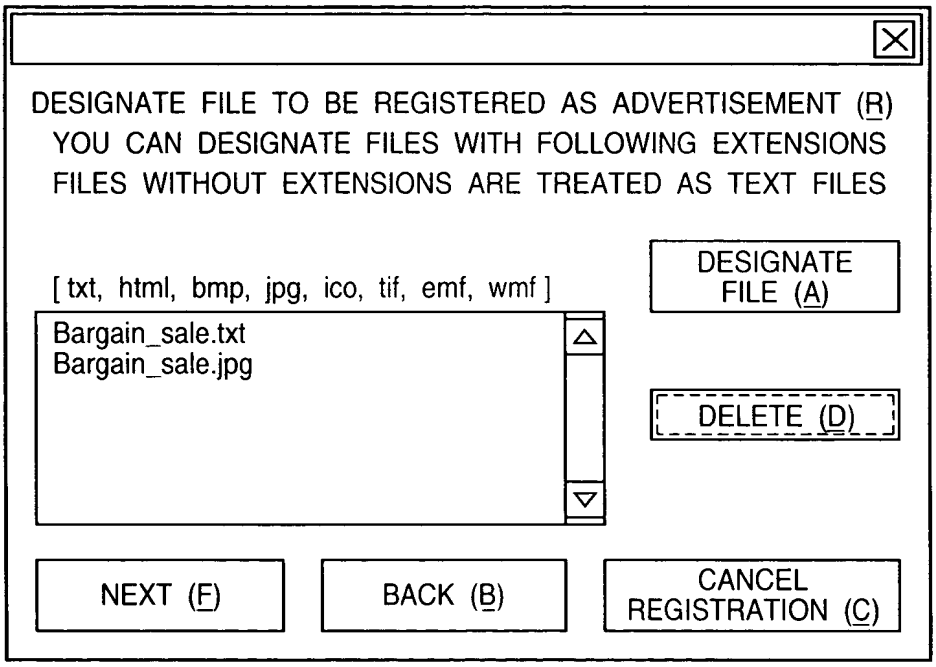

DESIGNATE FILE TO BE REGISTERED AS ADVERTISEMENT (R)
YOU CAN DESIGNATE FILES WITH FOLLOWING EXTENSIONS
FILES WITHOUT EXTENSIONS ARE TREATED AS TEXT FILES
[txt, html, bmp, jpg, ico, tif, emf, wmf]
DESIGNATE FILE (A)
Bargain_sale.txt
Bargain_sale.jpg
DELETE (D)
NEXT (F)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 59

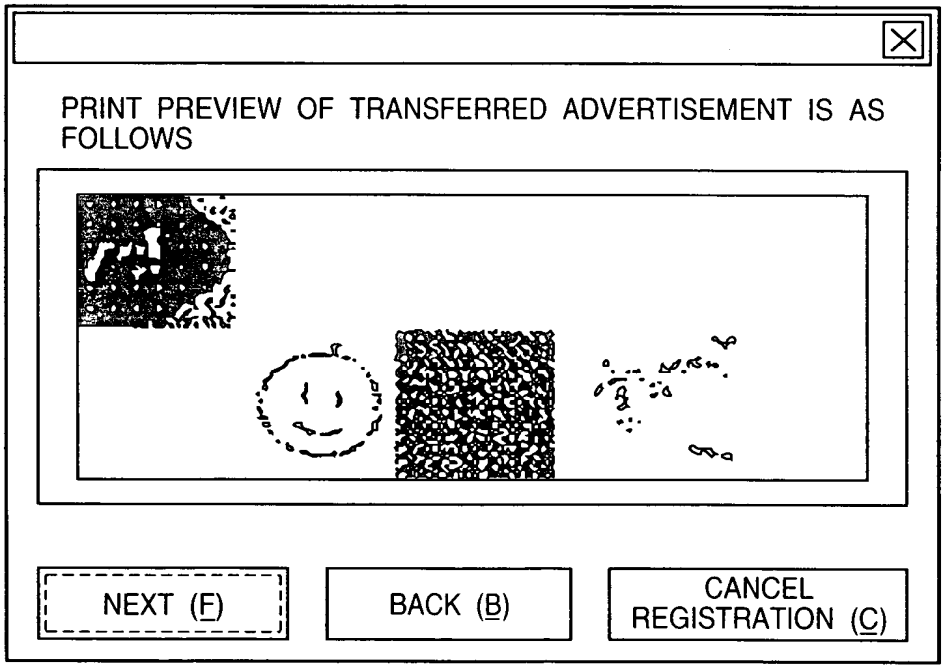

PRINT PREVIEW OF TRANSFERRED ADVERTISEMENT IS AS FOLLOWS
NEXT (F)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 50

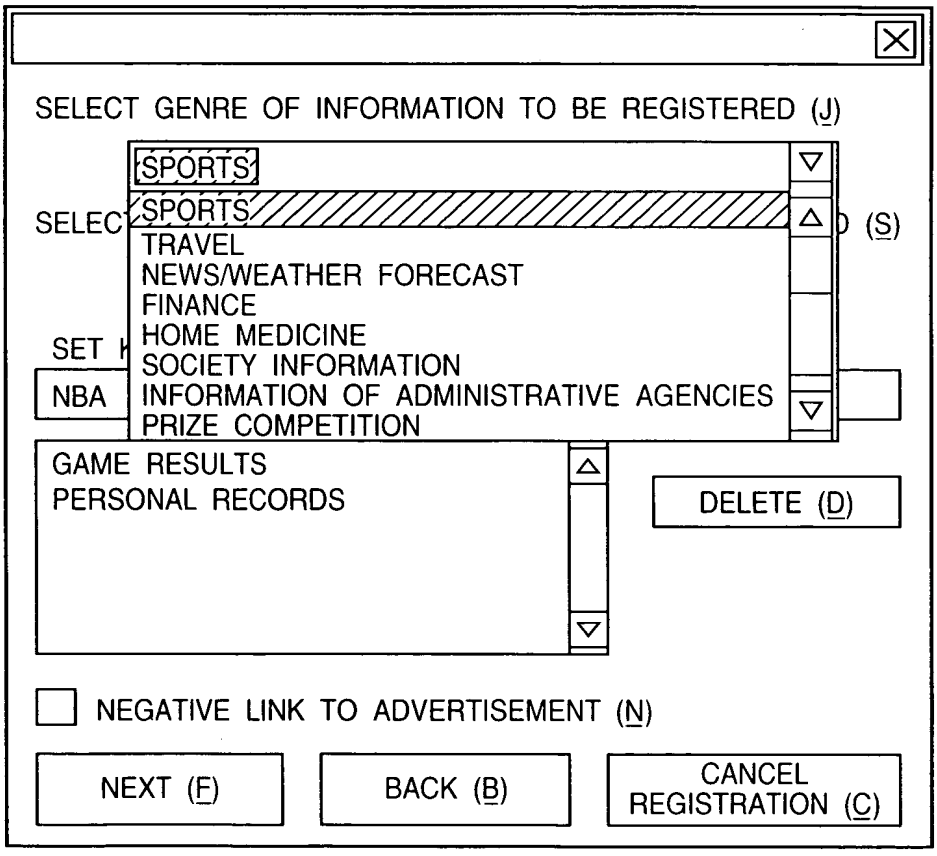

SELECT GENRE OF INFORMATION TO BE REGISTERED (J)
SPORTS
SPORTS
TRAVEL
NEWS/WEATHER FORECAST
FINANCE
HOME MEDICINE
SOCIETY INFORMATION
INFORMATION OF ADMINISTRATIVE AGENCIES
PRIZE COMPETITION
(S)
NBA
GAME RESULTS
PERSONAL RECORDS
DELETE (D)
NEGATIVE LINK TO ADVERTISEMENT (N)
NEXT (F)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 51

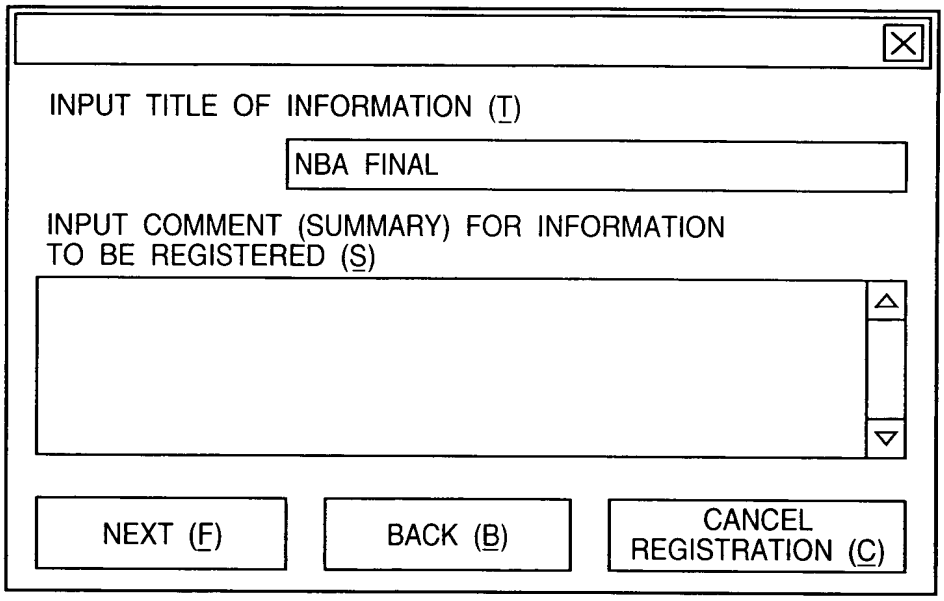

INPUT TITLE OF INFORMATION (T)
NBA FINAL
INPUT COMMENT (SUMMARY) FOR INFORMATION TO BE REGISTERED (S)
NEXT (F)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 55

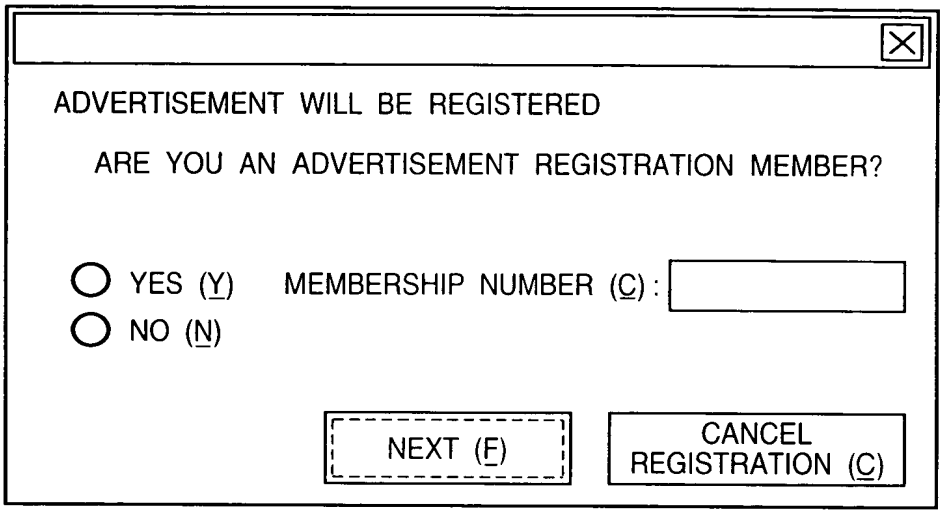

ADVERTISEMENT WILL BE REGISTERED
ARE YOU AN ADVERTISEMENT REGISTRATION MEMBER?
YES (Y)
NO (N)
MEMBERSHIP NUMBER (C):
NEXT (F)
CANCEL REGISTRATION (C)

FIG. 56

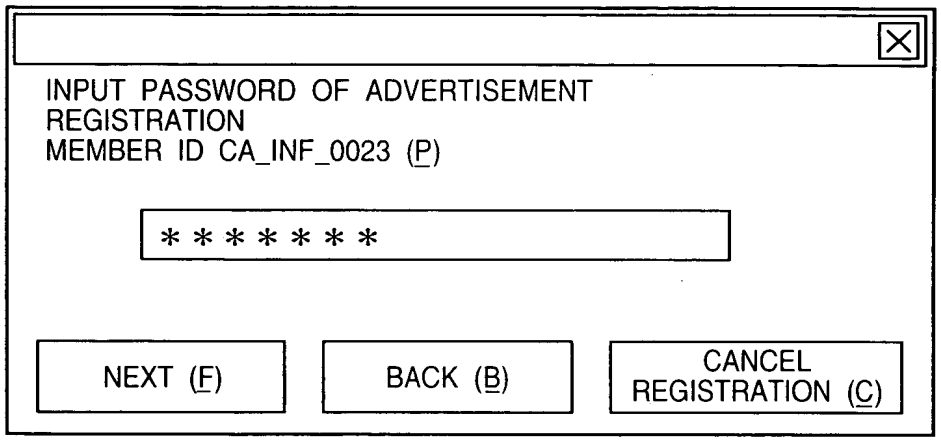

INPUT PASSWORD OF ADVERTISEMENT
REGISTRATION
MEMBER ID CA_INF_0023 (P)
* * * * * * *
NEXT (F)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 57

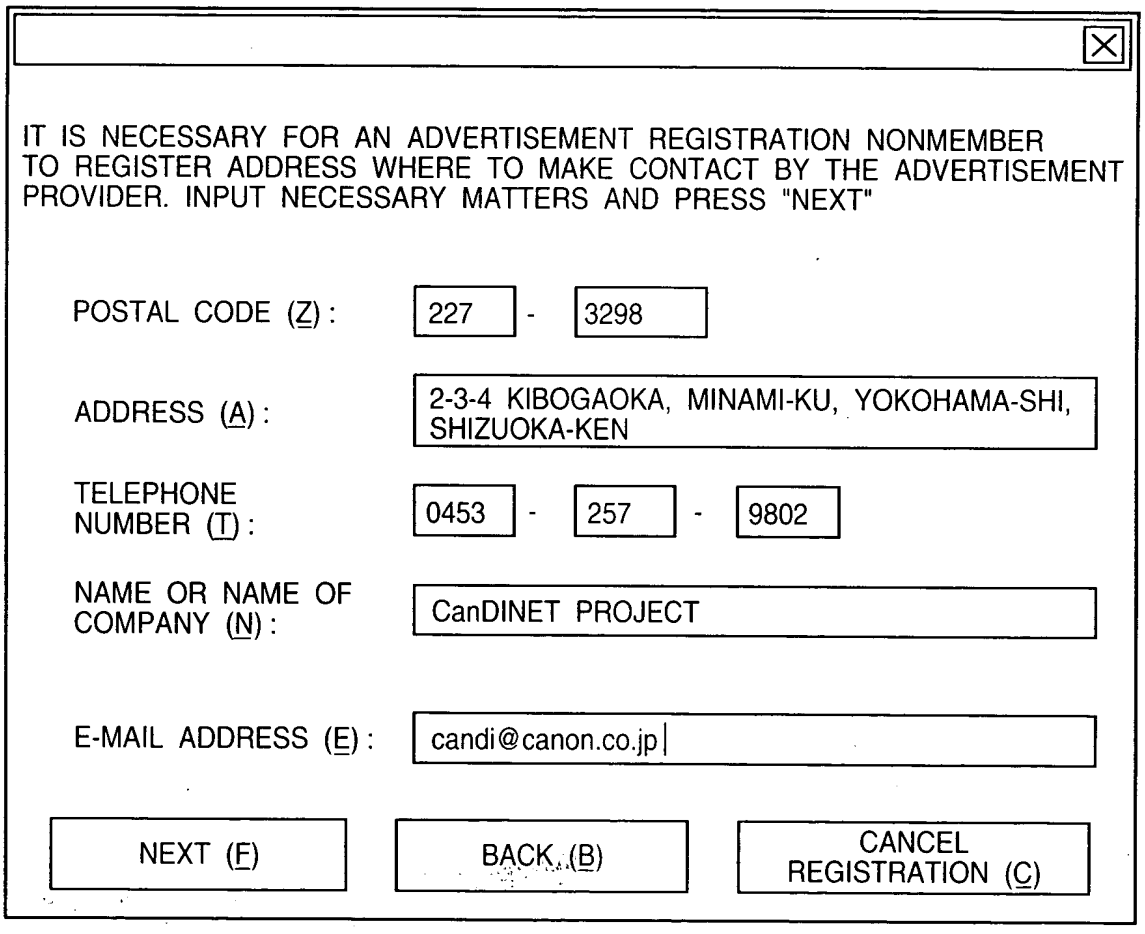

IT IS NECESSARY FOR AN ADVERTISEMENT REGISTRATION NONMEMBER TO REGISTER ADDRESS WHERE TO MAKE CONTACT BY THE ADVERTISEMENT PROVIDER. INPUT NECESSARY MATTERS AND PRESS "NEXT"
POSTAL CODE (Z):
227
3298
ADDRESS (A):
2-3-4 KIBOGAOKA, MINAMI-KU, YOKOHAMA-SHI, SHIZUOKA-KEN
TELEPHONE NUMBER (T):
0453
257
9802
NAME OR NAME OF COMPANY (N):
CanDINET PROJECT
E-MAIL ADDRESS (E):
candi@canon.co.jp
NEXT (F)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 54

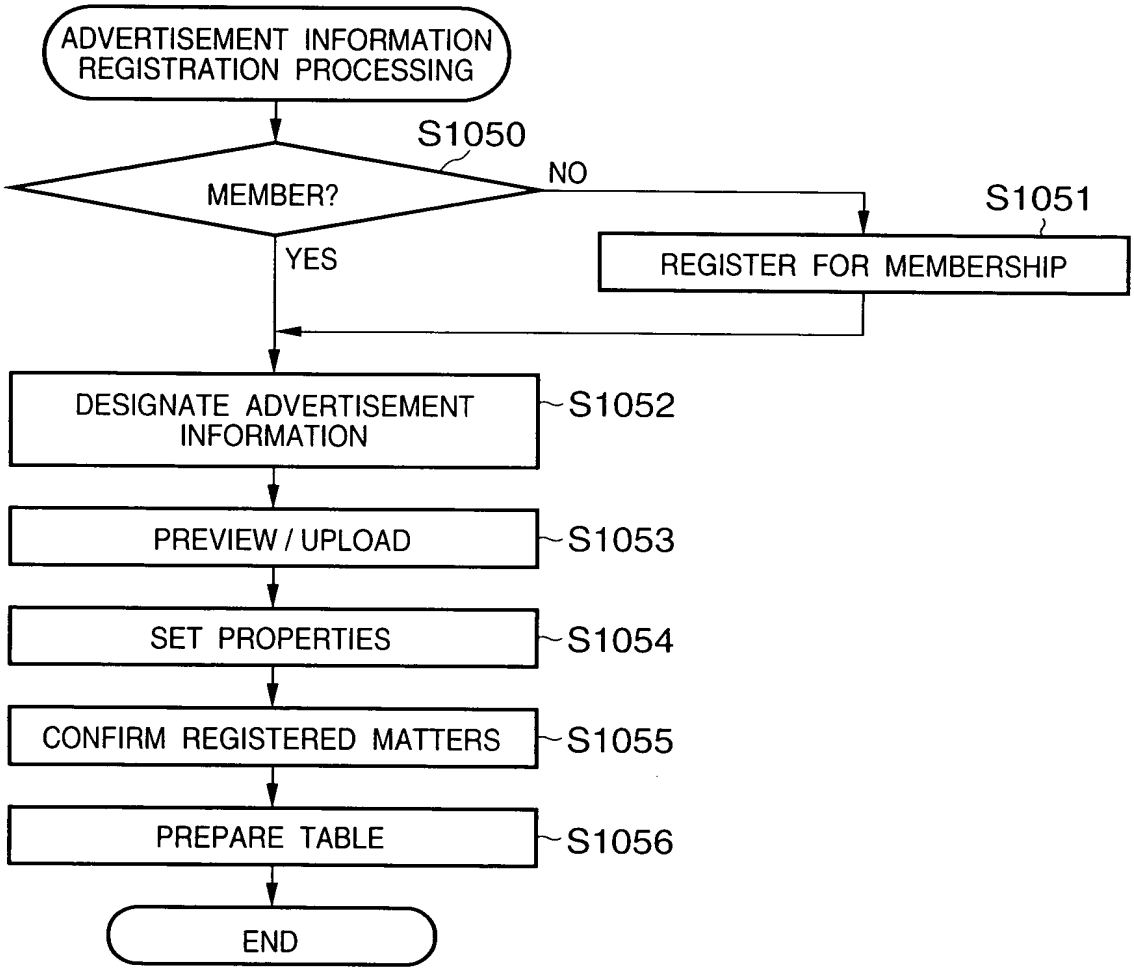

ADVERTISEMENT INFORMATION REGISTRATION PROCESSING
S1050
MEMBER?
NO
S1051
REGISTER FOR MEMBERSHIP
YES
DESIGNATE ADVERTISEMENT INFORMATION
S1052
PREVIEW / UPLOAD
S1053
SET PROPERTIES
S1054
CONFIRM REGISTERED MATTERS
S1055
PREPARE TABLE
S1056
END

FIG. 52A

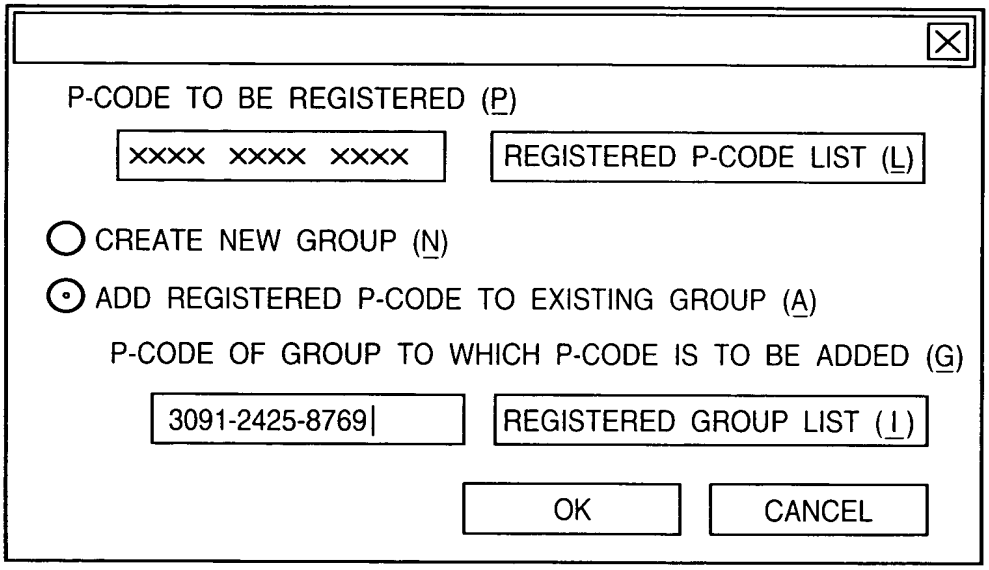

P-CODE TO BE REGISTERED (P)
xxxx xxxx xxxx
REGISTERED P-CODE LIST (L)
CREATE NEW GROUP (N)
ADD REGISTERED P-CODE TO EXISTING GROUP (A)
P-CODE OF GROUP TO WHICH P-CODE IS TO BE ADDED (G)
3091-2425-8769
REGISTERED GROUP LIST (I)
OK
CANCEL

FIG. 52B

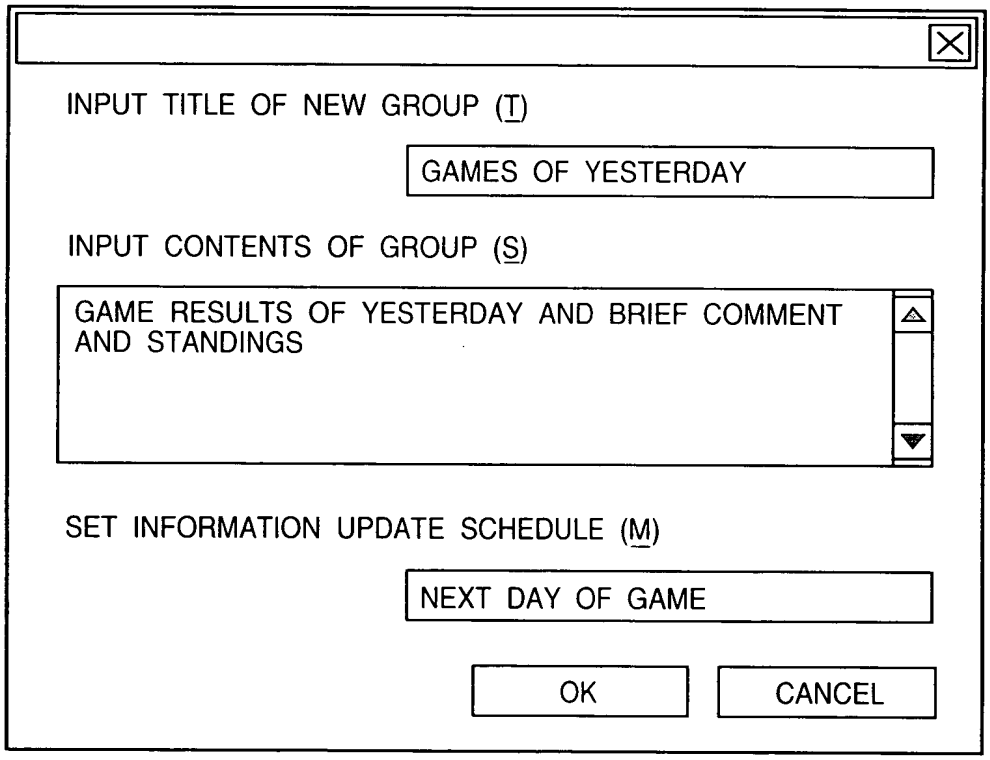

INPUT TITLE OF NEW GROUP (T)
GAMES OF YESTERDAY
INPUT CONTENTS OF GROUP (S)
GAME RESULTS OF YESTERDAY AND BRIEF COMMENT AND STANDINGS
SET INFORMATION UPDATE SCHEDULE (M)
NEXT DAY OF GAME
OK
CANCEL

FIG. 53

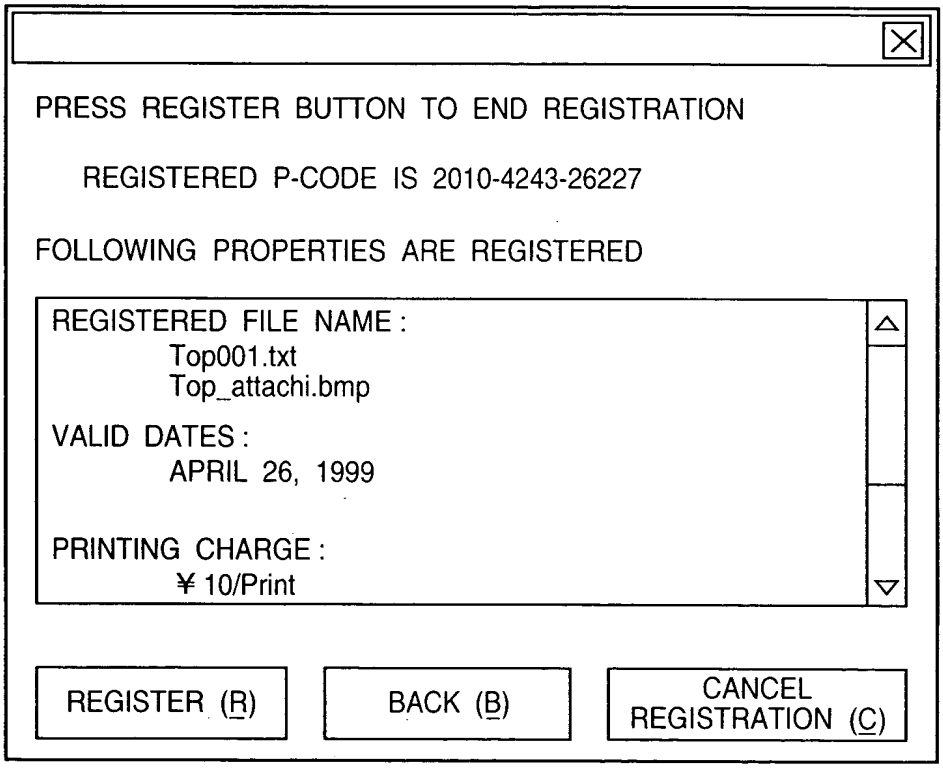

PRESS REGISTER BUTTON TO END REGISTRATION
REGISTERED P-CODE IS 2010-4243-26227
FOLLOWING PROPERTIES ARE REGISTERED
REGISTERED FILE NAME :
Top001.txt
Top_attachi.bmp
VALID DATES :
APRIL 26, 1999
PRINTING CHARGE :
¥ 10/Print
REGISTER (R)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 61

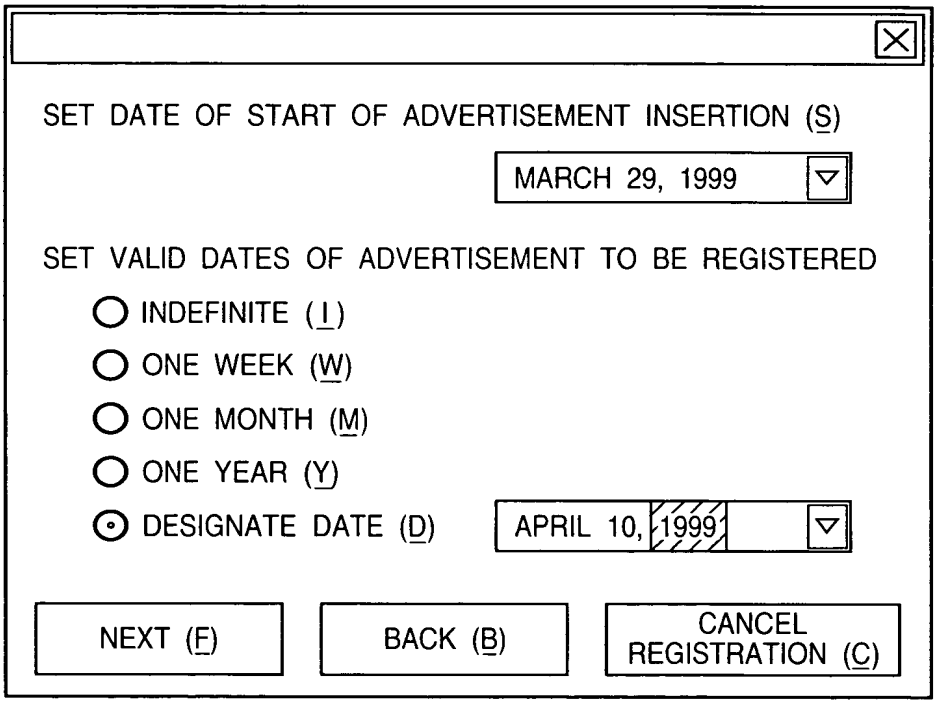

SET DATE OF START OF ADVERTISEMENT INSERTION (S)
MARCH 29, 1999
SET VALID DATES OF ADVERTISEMENT TO BE REGISTERED
INDEFINITE (I)
ONE WEEK (W)
ONE MONTH (M)
ONE YEAR (Y)
DESIGNATE DATE (D)
APRIL 10, 1999
NEXT (F)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 62

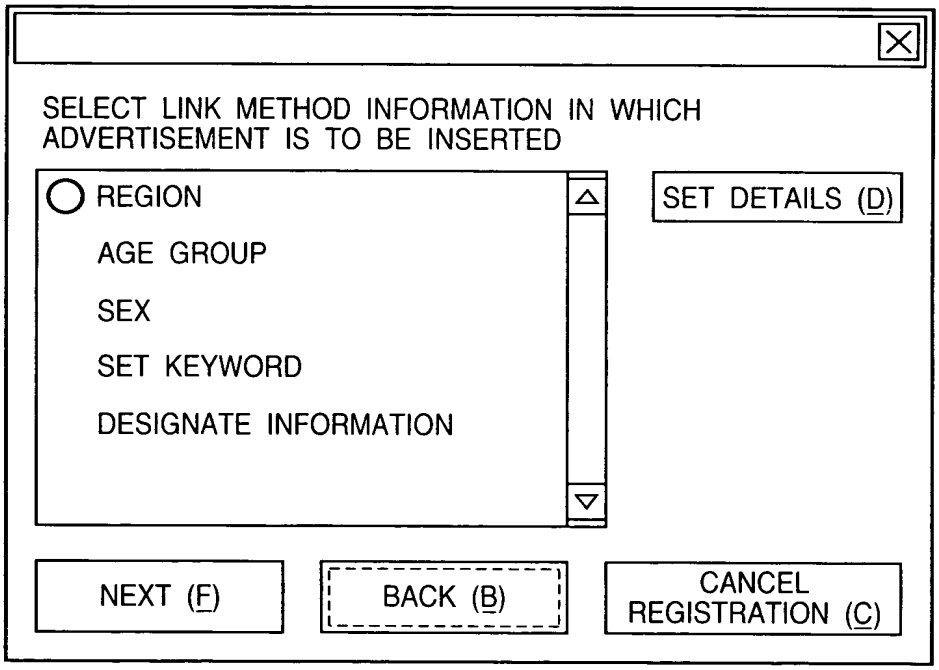

SELECT LINK METHOD INFORMATION IN WHICH ADVERTISEMENT IS TO BE INSERTED
REGION
AGE GROUP
SEX
SET KEYWORD
DESIGNATE INFORMATION
SET DETAILS (D)
NEXT (F)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 63

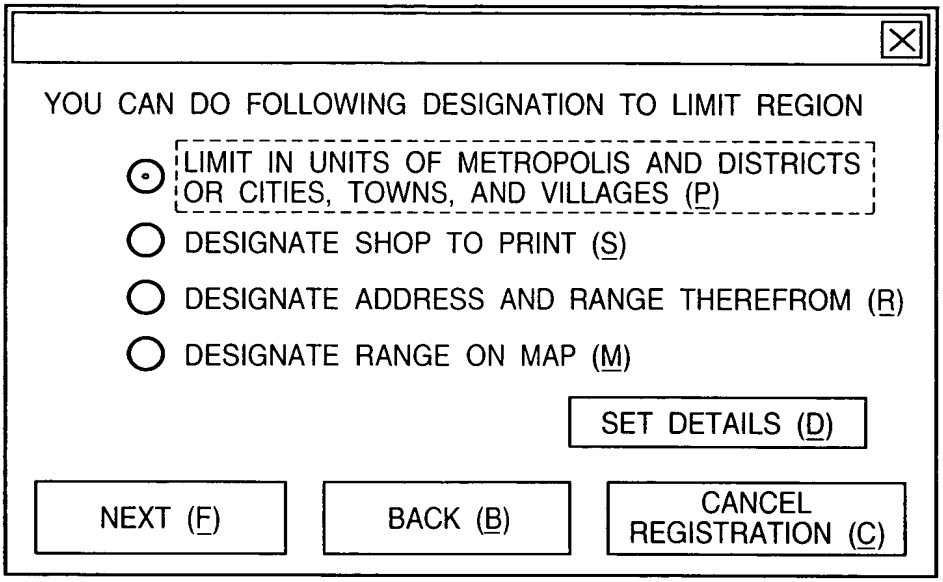

YOU CAN DO FOLLOWING DESIGNATION TO LIMIT REGION
LIMIT IN UNITS OF METROPOLIS AND DISTRICTS OR CITIES, TOWNS, AND VILLAGES (P)
DESIGNATE SHOP TO PRINT (S)
DESIGNATE ADDRESS AND RANGE THEREFROM (R)
DESIGNATE RANGE ON MAP (M)
SET DETAILS (D)
NEXT (F)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 64

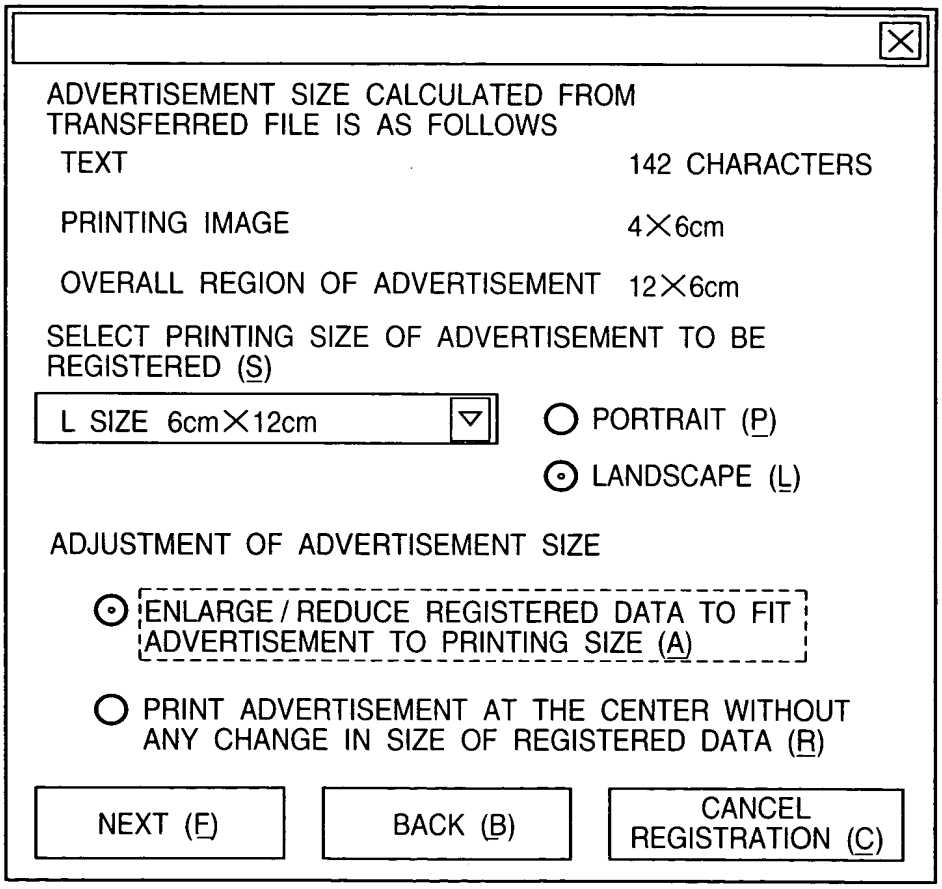

ADVERTISEMENT SIZE CALCULATED FROM TRANSFERRED FILE IS AS FOLLOWS
TEXT
142 CHARACTERS
PRINTING IMAGE
4×6cm
OVERALL REGION OF ADVERTISEMENT
12×6cm
SELECT PRINTING SIZE OF ADVERTISEMENT TO BE REGISTERED (S)
L SIZE 6cm×12cm
PORTRAIT (P)
LANDSCAPE (L)
ADJUSTMENT OF ADVERTISEMENT SIZE
ENLARGE / REDUCE REGISTERED DATA TO FIT ADVERTISEMENT TO PRINTING SIZE (A)
PRINT ADVERTISEMENT AT THE CENTER WITHOUT ANY CHANGE IN SIZE OF REGISTERED DATA (R)
NEXT (F)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 65

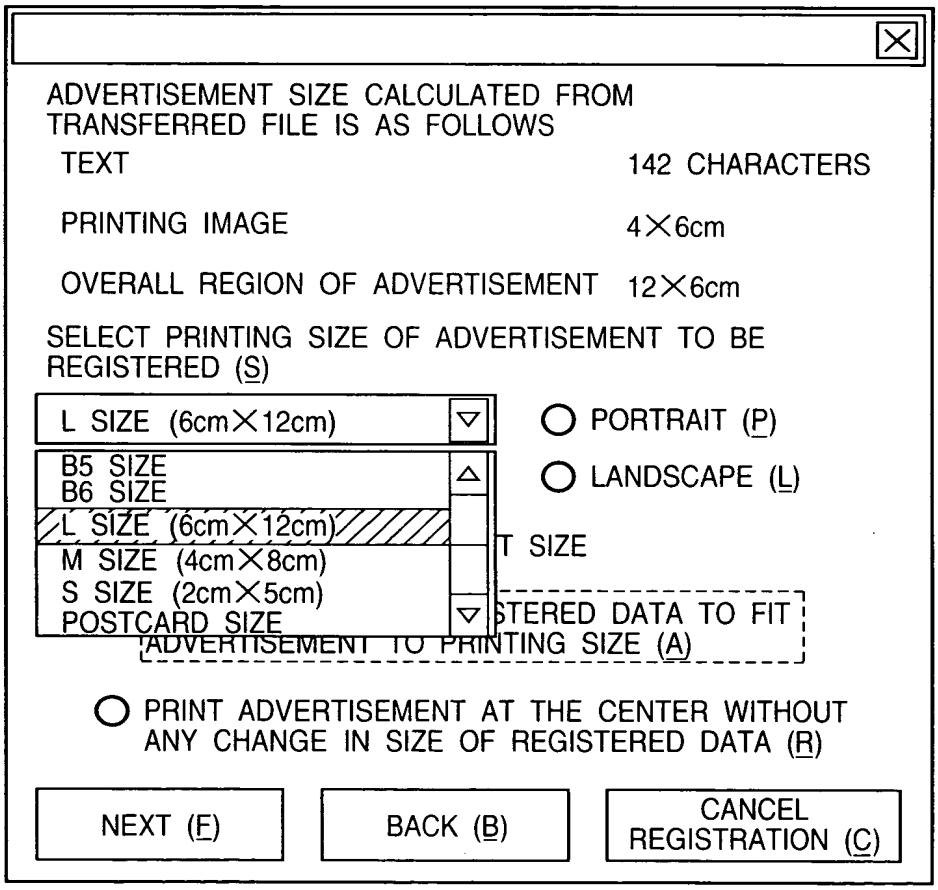

ADVERTISEMENT SIZE CALCULATED FROM TRANSFERRED FILE IS AS FOLLOWS
TEXT
142 CHARACTERS
PRINTING IMAGE
4×6cm
OVERALL REGION OF ADVERTISEMENT
12×6cm
SELECT PRINTING SIZE OF ADVERTISEMENT TO BE REGISTERED (S)
L SIZE (6cm×12cm)
B5 SIZE
B6 SIZE
L SIZE (6cm×12cm)
M SIZE (4cm×8cm)
S SIZE (2cm×5cm)
POSTCARD SIZE
PORTRAIT (P)
LANDSCAPE (L)
T SIZE
STERED DATA TO FIT
ADVERTISEMENT TO PRINTING SIZE (A)
PRINT ADVERTISEMENT AT THE CENTER WITHOUT ANY CHANGE IN SIZE OF REGISTERED DATA (R)
NEXT (F)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 52C

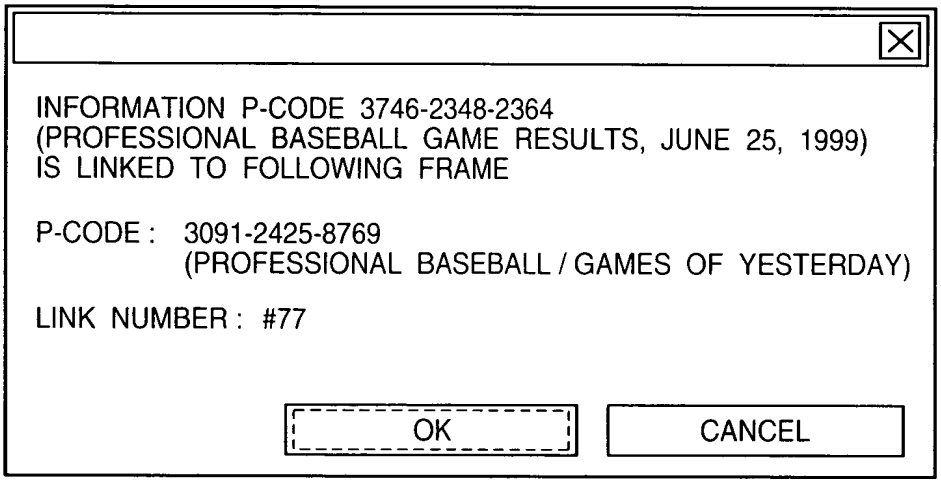

INFORMATION P-CODE 3746-2348-2364
(PROFESSIONAL BASEBALL GAME RESULTS, JUNE 25, 1999)
IS LINKED TO FOLLOWING FRAME
P-CODE : 3091-2425-8769
(PROFESSIONAL BASEBALL / GAMES OF YESTERDAY)
LINK NUMBER : #77
OK
CANCEL

FIG. 66

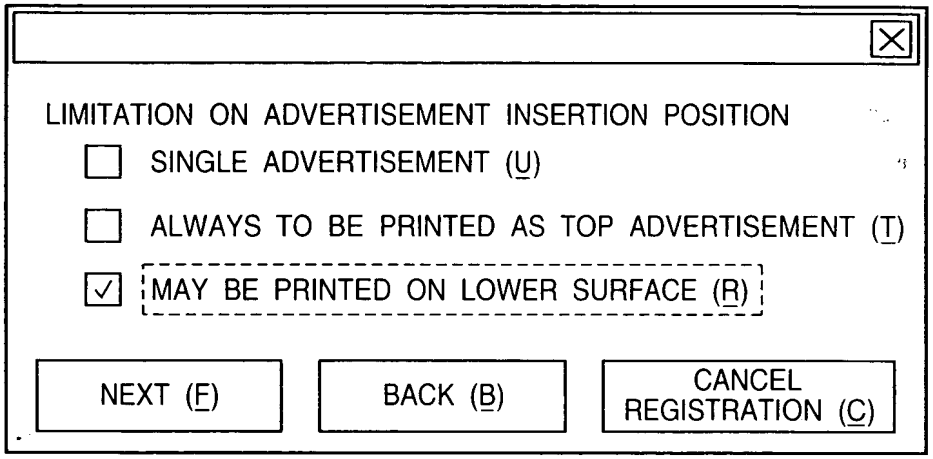

LIMITATION ON ADVERTISEMENT INSERTION POSITION
SINGLE ADVERTISEMENT (U)
ALWAYS TO BE PRINTED AS TOP ADVERTISEMENT (T)
MAY BE PRINTED ON LOWER SURFACE (R)
NEXT (F)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 67

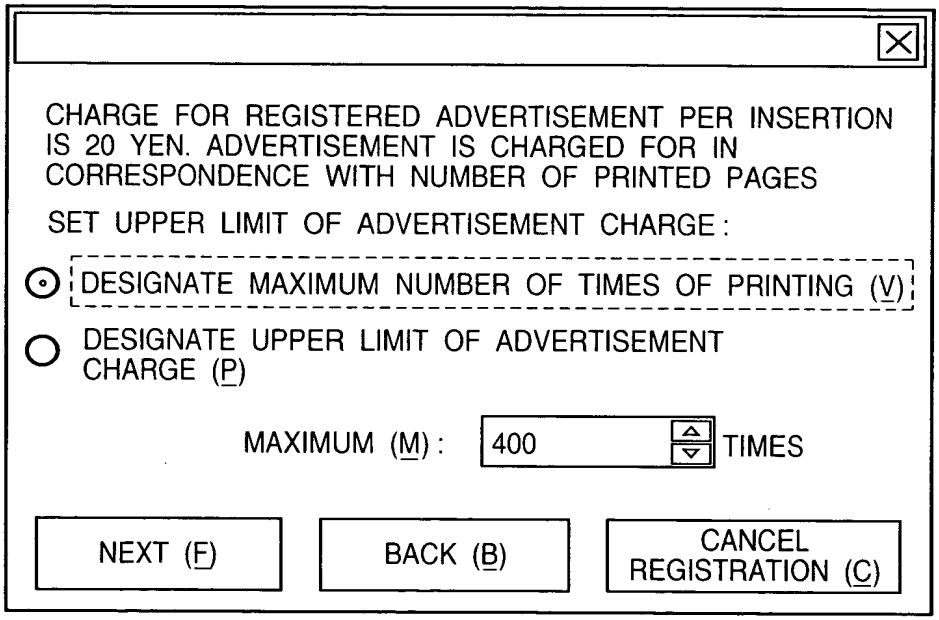

CHARGE FOR REGISTERED ADVERTISEMENT PER INSERTION IS 20 YEN. ADVERTISEMENT IS CHARGED FOR IN CORRESPONDENCE WITH NUMBER OF PRINTED PAGES
SET UPPER LIMIT OF ADVERTISEMENT CHARGE :
DESIGNATE MAXIMUM NUMBER OF TIMES OF PRINTING (V)
DESIGNATE UPPER LIMIT OF ADVERTISEMENT CHARGE (P)
MAXIMUM (M) :
400
TIMES
NEXT (F)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 68

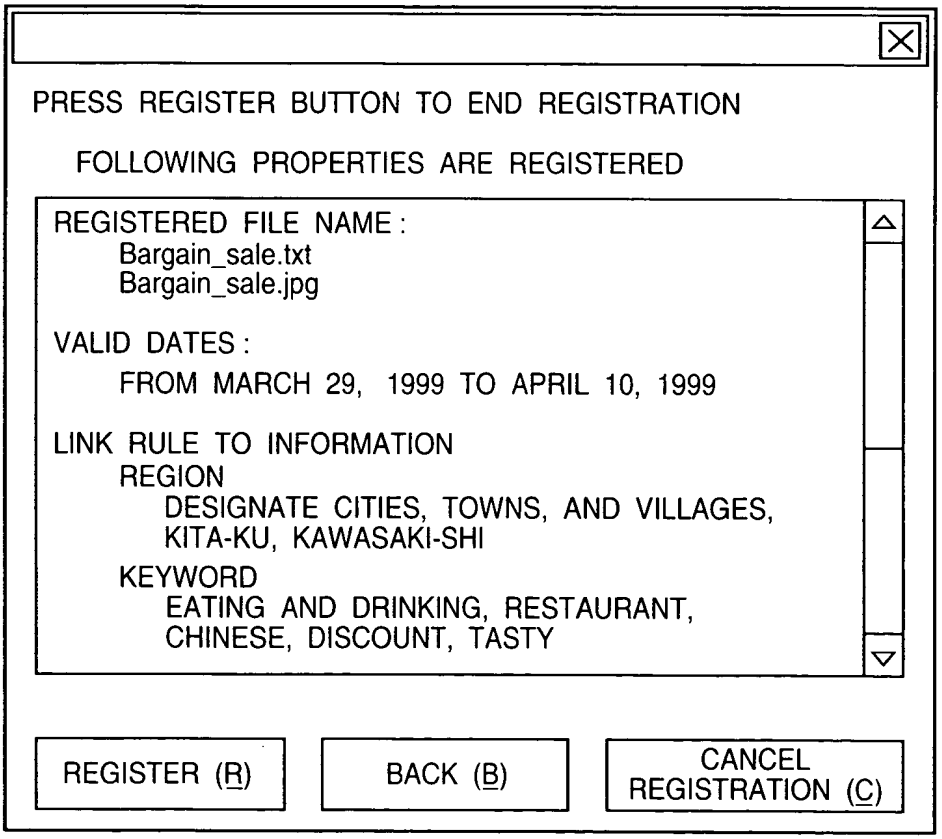

PRESS REGISTER BUTTON TO END REGISTRATION
FOLLOWING PROPERTIES ARE REGISTERED
REGISTERED FILE NAME :
Bargain_sale.txt
Bargain_sale.jpg
VALID DATES :
FROM MARCH 29, 1999 TO APRIL 10, 1999
LINK RULE TO INFORMATION
REGION
DESIGNATE CITIES, TOWNS, AND VILLAGES, KITA-KU, KAWASAKI-SHI
KEYWORD
EATING AND DRINKING, RESTAURANT, CHINESE, DISCOUNT, TASTY
REGISTER (R)
BACK (B)
CANCEL REGISTRATION (C)

FIG. 69

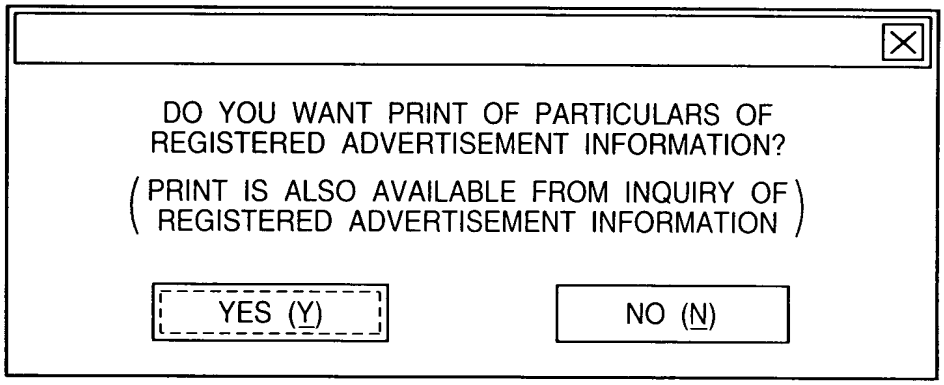

DO YOU WANT PRINT OF PARTICULARS OF REGISTERED ADVERTISEMENT INFORMATION?
(PRINT IS ALSO AVAILABLE FROM INQUIRY OF REGISTERED ADVERTISEMENT INFORMATION)
YES (Y)
NO (N)

FIG. 70

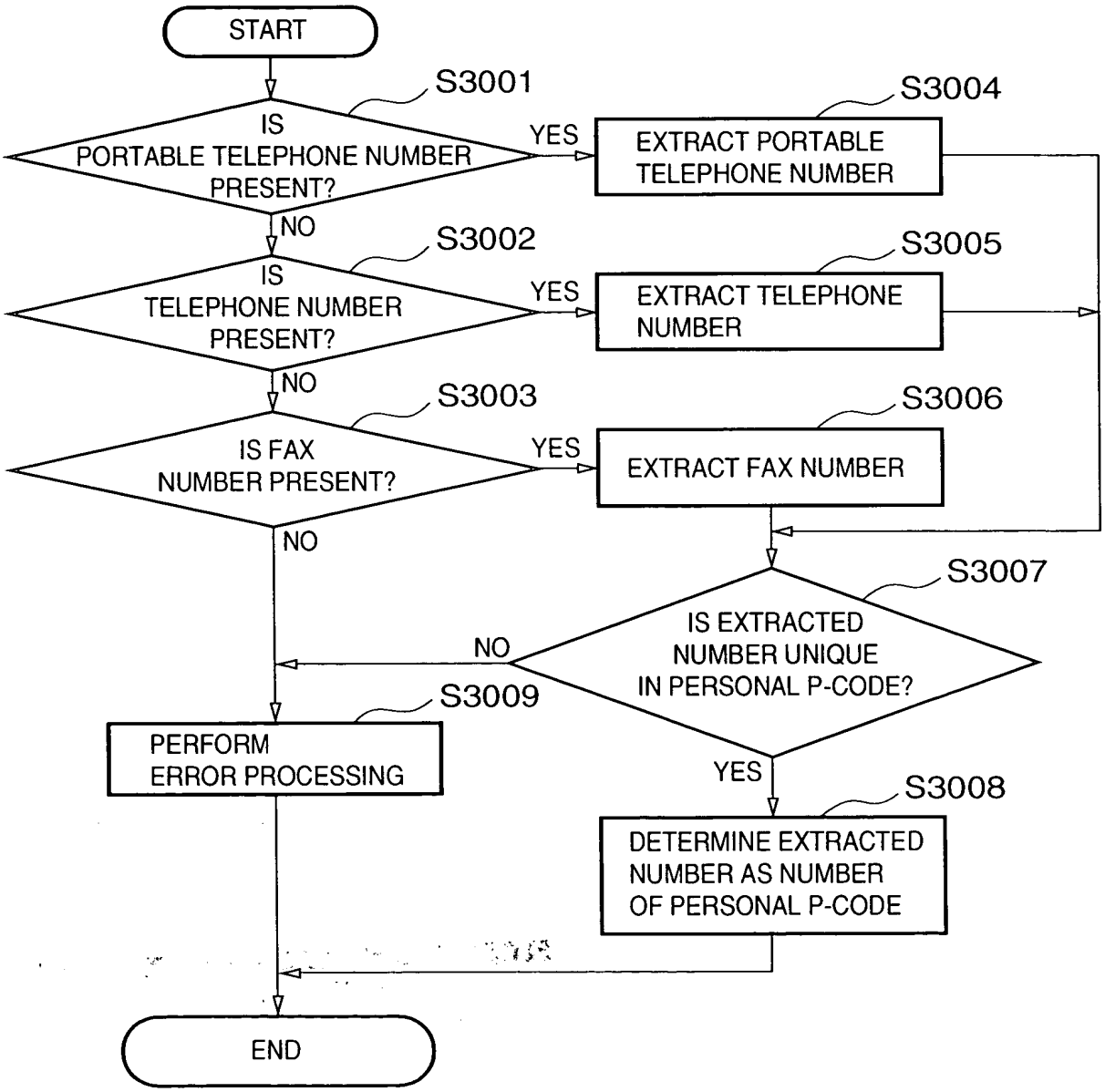

START
S3001
IS PORTABLE TELEPHONE NUMBER PRESENT?
YES
S3004
EXTRACT PORTABLE TELEPHONE NUMBER
NO
S3002
IS TELEPHONE NUMBER PRESENT?
YES
S3005
EXTRACT TELEPHONE NUMBER
NO
S3003
IS FAX NUMBER PRESENT?
YES
S3006
EXTRACT FAX NUMBER
NO
S3007
IS EXTRACTED NUMBER UNIQUE IN PERSONAL P-CODE?
NO
S3009
PERFORM ERROR PROCESSING
YES
S3008
DETERMINE EXTRACTED NUMBER AS NUMBER OF PERSONAL P-CODE
END

FIG. 71

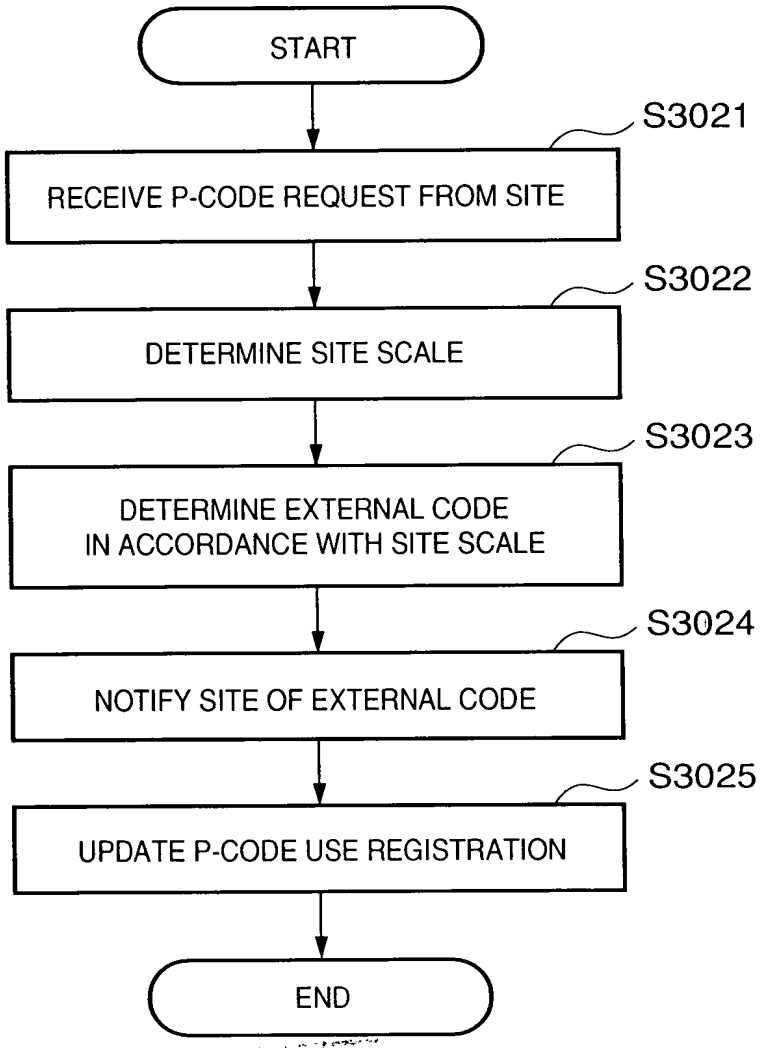

START
S3021
RECEIVE P-CODE REQUEST FROM SITE
S3022
DETERMINE SITE SCALE
S3023
DETERMINE EXTERNAL CODE
IN ACCORDANCE WITH SITE SCALE
S3024
NOTIFY SITE OF EXTERNAL CODE
S3025
UPDATE P-CODE USE REGISTRATION
END

FIG. 72

SCALE	EXTERNAL CODE	URL
MINIMAL SCALE		
SMALL SCALE		
MEDIUM SCALE		
LARGE SCALE		
MAXIMUM SCALE		

FIG. 73

P-CODE (NUMBER SECTION = EXTERNAL CODE + INTERNAL CODE)	VALID DATES OF CODE

FIG. 74

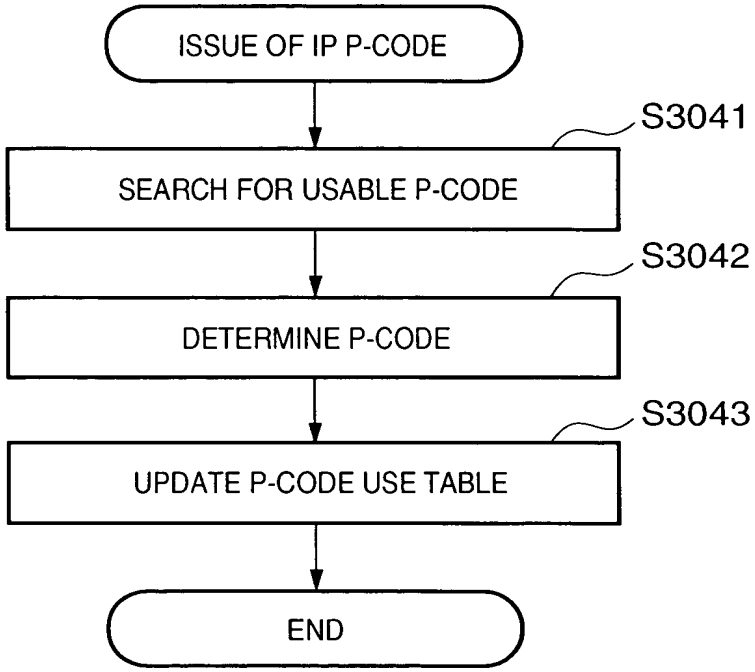

ISSUE OF IP P-CODE
S3041
SEARCH FOR USABLE P-CODE
S3042
DETERMINE P-CODE
S3043
UPDATE P-CODE USE TABLE
END

FIG. 75

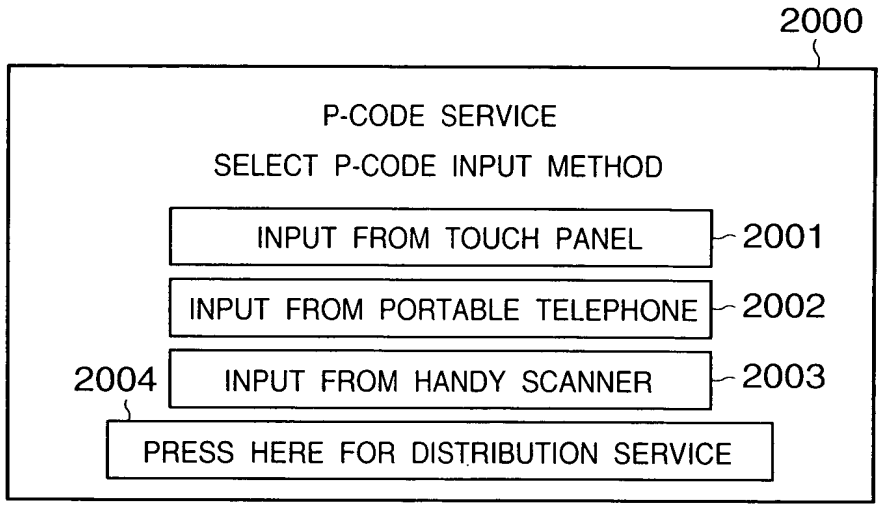

2000
P-CODE SERVICE
SELECT P-CODE INPUT METHOD
INPUT FROM TOUCH PANEL
2001
INPUT FROM PORTABLE TELEPHONE
2002
2004
INPUT FROM HANDY SCANNER
2003
PRESS HERE FOR DISTRIBUTION SERVICE

FIG. 76

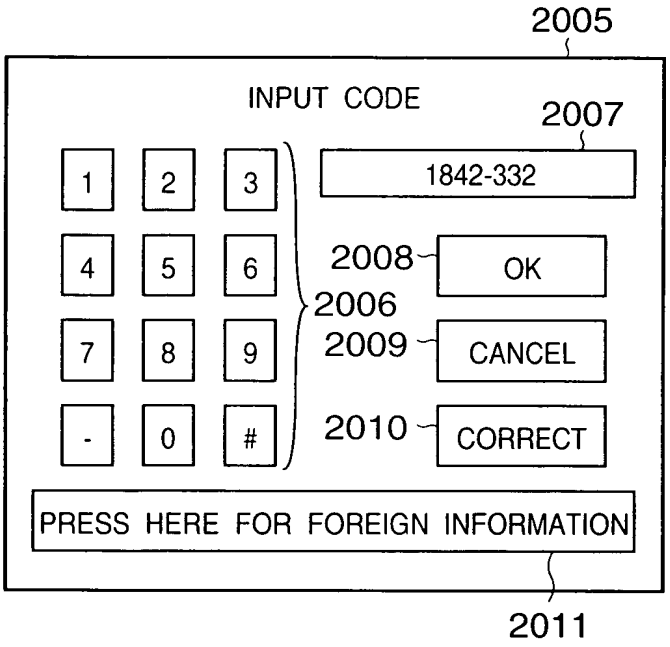

2005
INPUT CODE
2007
1
2
3
1842-332
4
5
6
2008
OK
2006
7
8
9
2009
CANCEL
-
0
#
2010
CORRECT
PRESS HERE FOR FOREIGN INFORMATION
2011

FIG. 77

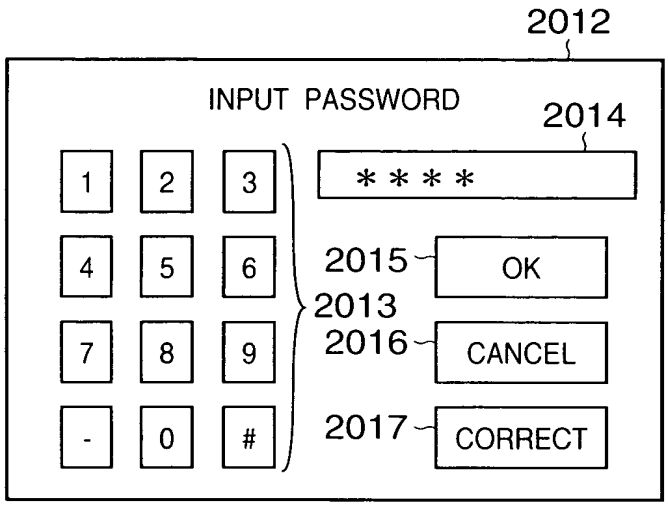

2012
INPUT PASSWORD
2014
1
2
3
* * * *
4
5
6
2015
OK
2013
7
8
9
2016
CANCEL
-
0
#
2017
CORRECT

FIG. 78

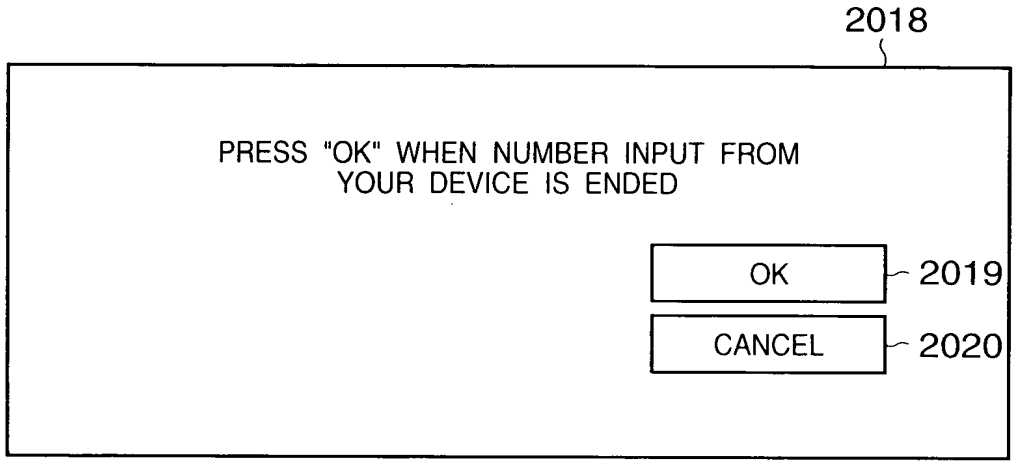

2018
PRESS "OK" WHEN NUMBER INPUT FROM YOUR DEVICE IS ENDED
OK
2019
CANCEL
2020

FIG. 79

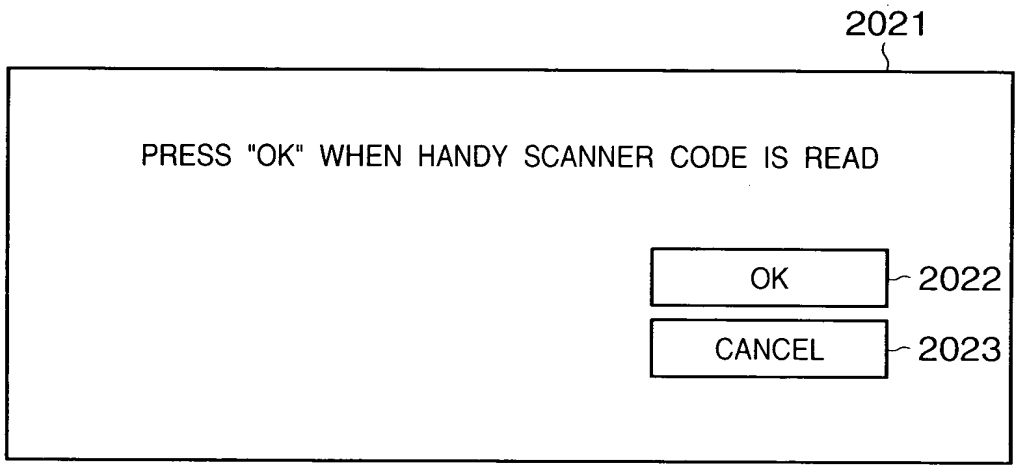

2021
PRESS "OK" WHEN HANDY SCANNER CODE IS READ
OK
2022
CANCEL
2023

FIG. 80

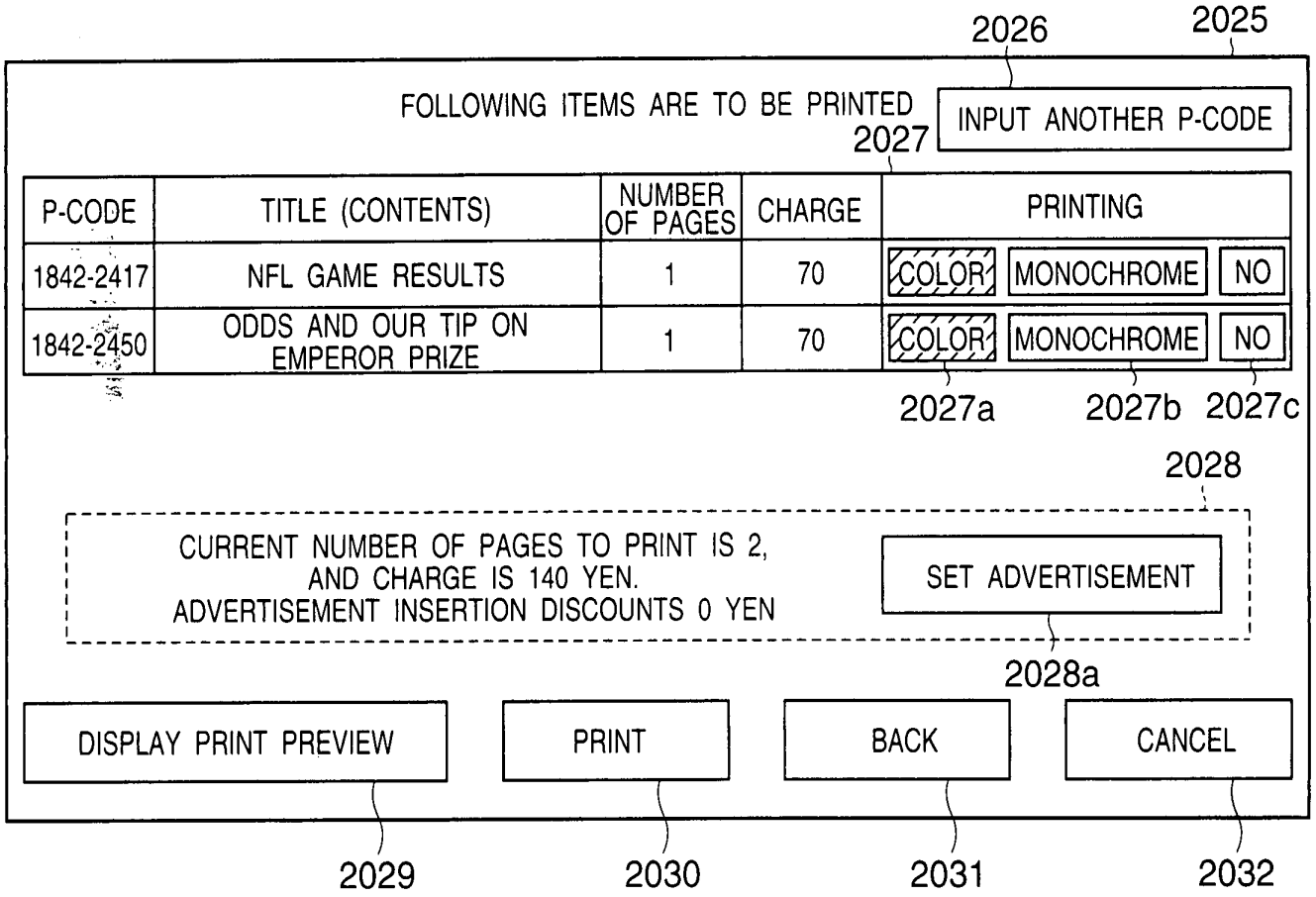

2026
2025
FOLLOWING ITEMS ARE TO BE PRINTED
INPUT ANOTHER P-CODE
2027
P-CODE
TITLE (CONTENTS)
NUMBER OF PAGES
CHARGE
PRINTING
1842-2417
NFL GAME RESULTS
1
70
COLOR
MONOCHROME
NO
1842-2450
ODDS AND OUR TIP ON EMPEROR PRIZE
1
70
COLOR
MONOCHROME
NO
2027a
2027b
2027c
2028
CURRENT NUMBER OF PAGES TO PRINT IS 2,
AND CHARGE IS 140 YEN.
ADVERTISEMENT INSERTION DISCOUNTS 0 YEN
SET ADVERTISEMENT
2028a
DISPLAY PRINT PREVIEW
PRINT
BACK
CANCEL
2029
2030
2031
2032

FIG. 81

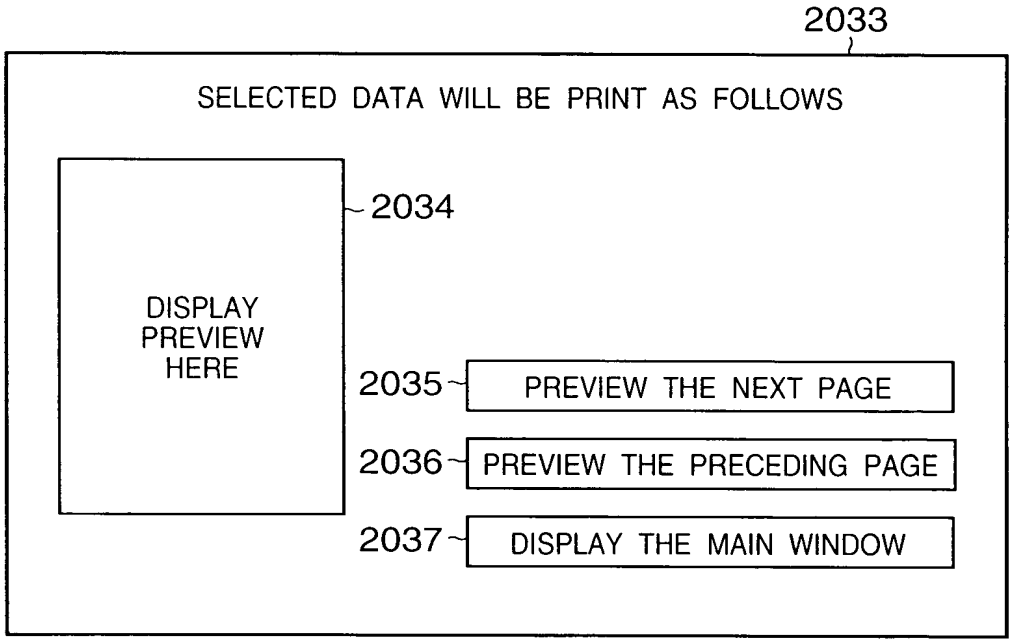

2033
SELECTED DATA WILL BE PRINT AS FOLLOWS
DISPLAY PREVIEW HERE
2034
2035
PREVIEW THE NEXT PAGE
2036
PREVIEW THE PRECEDING PAGE
2037
DISPLAY THE MAIN WINDOW

FIG. 82

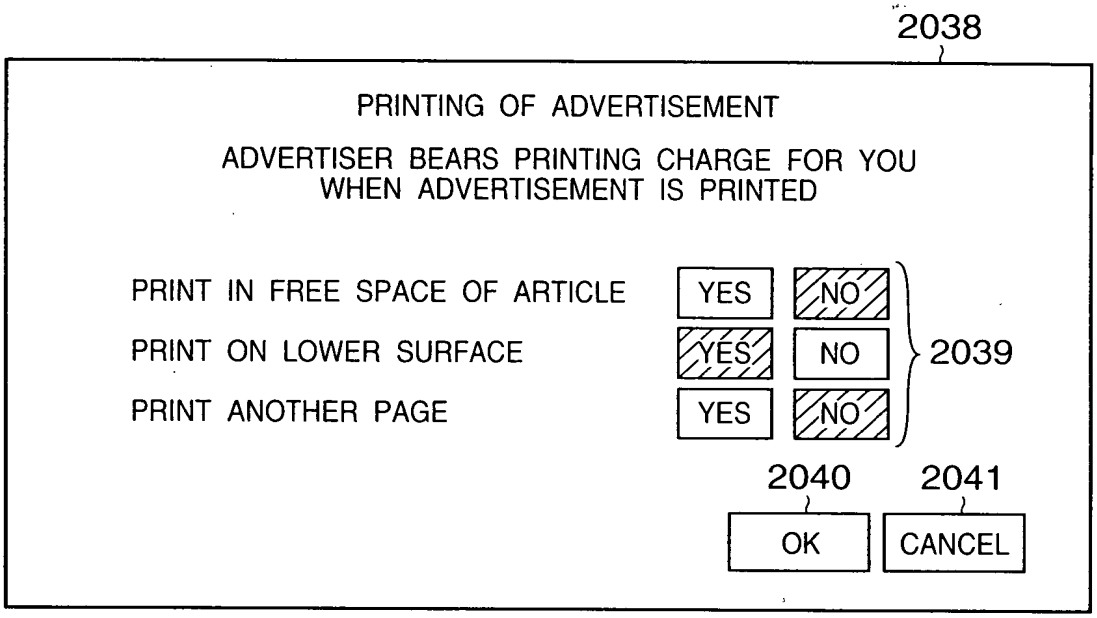

2038
PRINTING OF ADVERTISEMENT
ADVERTISER BEARS PRINTING CHARGE FOR YOU WHEN ADVERTISEMENT IS PRINTED
PRINT IN FREE SPACE OF ARTICLE
YES
NO
PRINT ON LOWER SURFACE
YES
NO
PRINT ANOTHER PAGE
YES
NO
2039
2040
2041
OK
CANCEL

FIG. 85

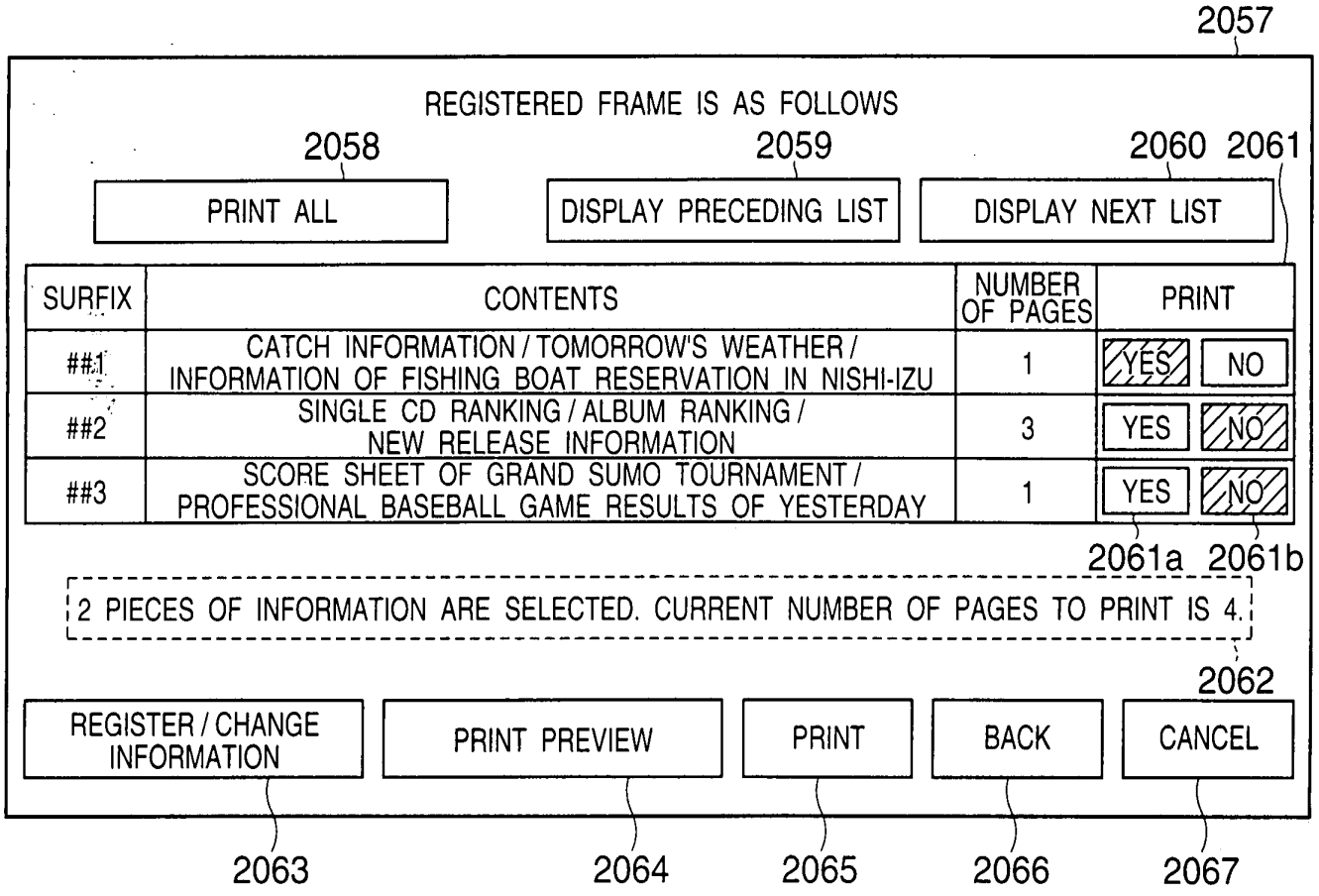

2057
REGISTERED FRAME IS AS FOLLOWS
2058
2059
2060
2061
PRINT ALL
DISPLAY PRECEDING LIST
DISPLAY NEXT LIST
SURFIX
CONTENTS
NUMBER OF PAGES
PRINT
##1
CATCH INFORMATION / TOMORROW'S WEATHER / INFORMATION OF FISHING BOAT RESERVATION IN NISHI-IZU
1
YES
NO
##2
SINGLE CD RANKING / ALBUM RANKING / NEW RELEASE INFORMATION
3
YES
NO
##3
SCORE SHEET OF GRAND SUMO TOURNAMENT / PROFESSIONAL BASEBALL GAME RESULTS OF YESTERDAY
1
YES
NO
2061a
2061b
2 PIECES OF INFORMATION ARE SELECTED. CURRENT NUMBER OF PAGES TO PRINT IS 4.
2062
REGISTER / CHANGE INFORMATION
PRINT PREVIEW
PRINT
BACK
CANCEL
2063
2064
2065
2066
2067

FIG. 84

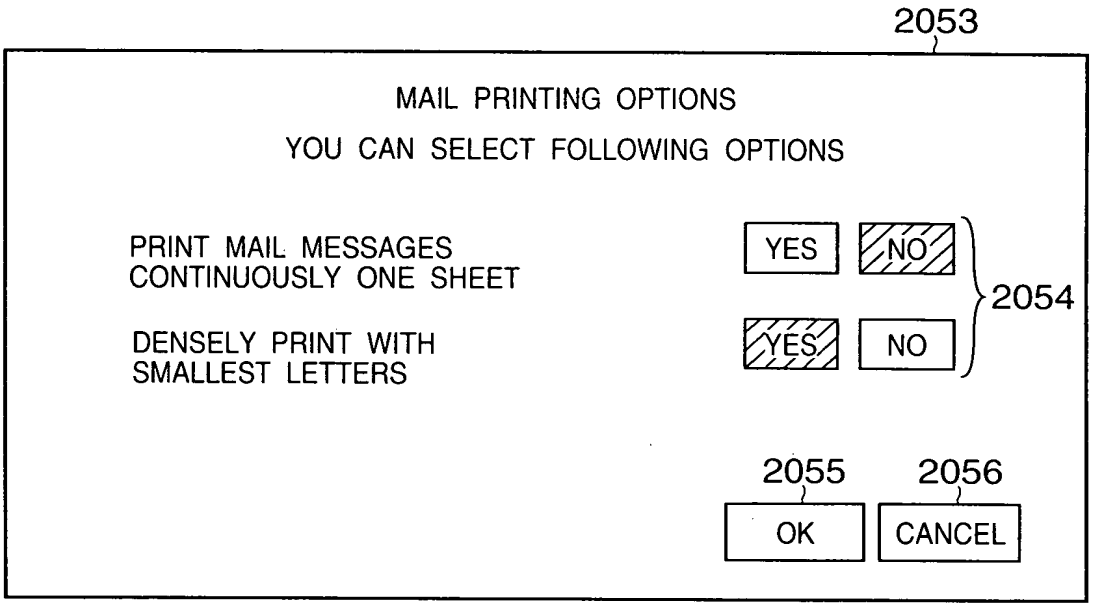

2053
MAIL PRINTING OPTIONS
YOU CAN SELECT FOLLOWING OPTIONS
PRINT MAIL MESSAGES CONTINUOUSLY ONE SHEET
YES
NO
DENSELY PRINT WITH SMALLEST LETTERS
YES
NO
2054
2055
2056
OK
CANCEL

FIG. 83

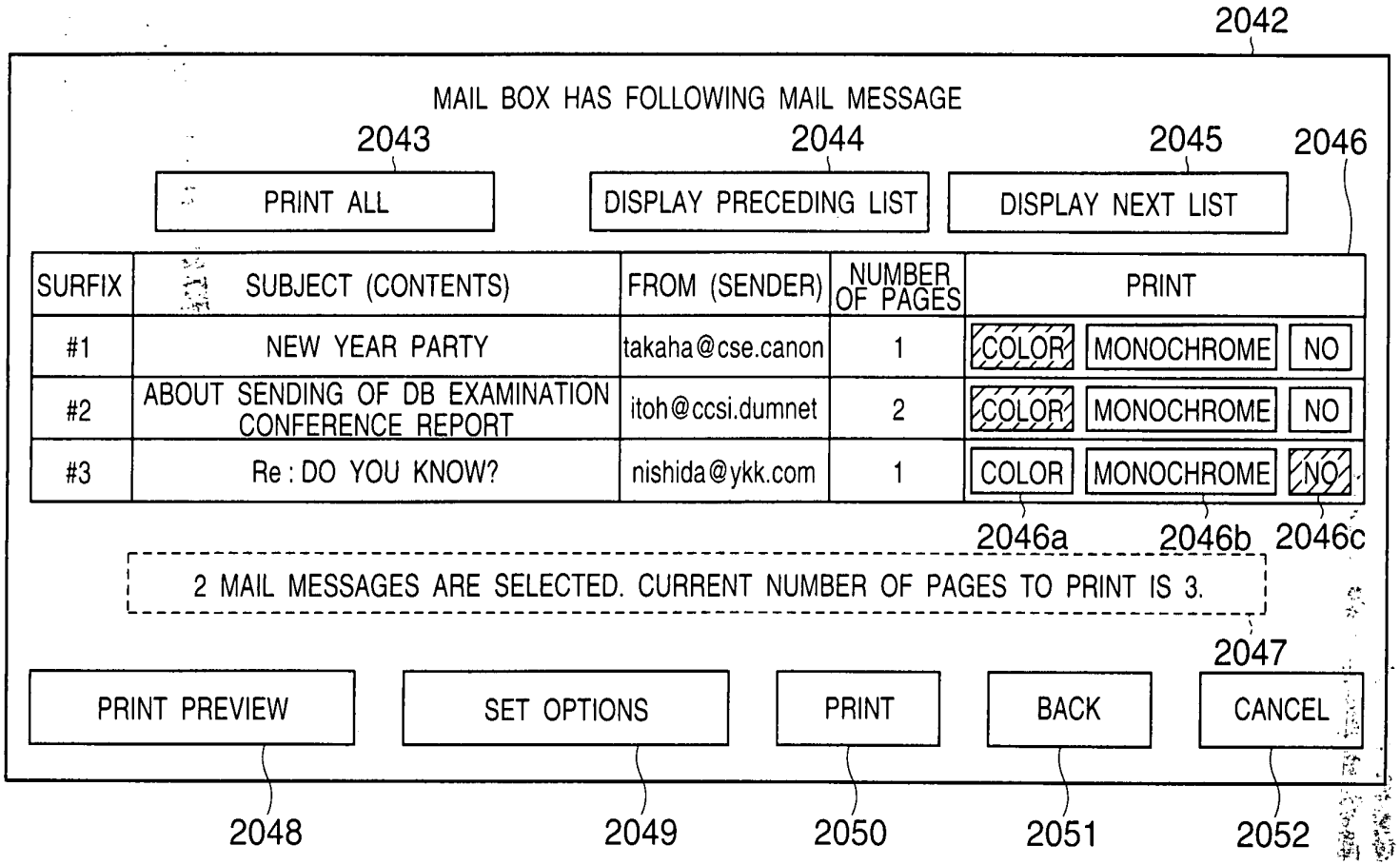

2042
MAIL BOX HAS FOLLOWING MAIL MESSAGE
2043
2044
2045
2046
PRINT ALL
DISPLAY PRECEDING LIST
DISPLAY NEXT LIST
SURFIX
SUBJECT (CONTENTS)
FROM (SENDER)
NUMBER OF PAGES
PRINT
#1
NEW YEAR PARTY
takaha@cse.canon
1
COLOR
MONOCHROME
NO
#2
ABOUT SENDING OF DB EXAMINATION CONFERENCE REPORT
itoh@ccsi.dumnet
2
COLOR
MONOCHROME
NO
#3
Re : DO YOU KNOW?
nishida@ykk.com
1
COLOR
MONOCHROME
NO
2046a
2046b
2046c
2 MAIL MESSAGES ARE SELECTED. CURRENT NUMBER OF PAGES TO PRINT IS 3.
2047
PRINT PREVIEW
SET OPTIONS
PRINT
BACK
CANCEL
2048
2049
2050
2051
2052

FIG. 86

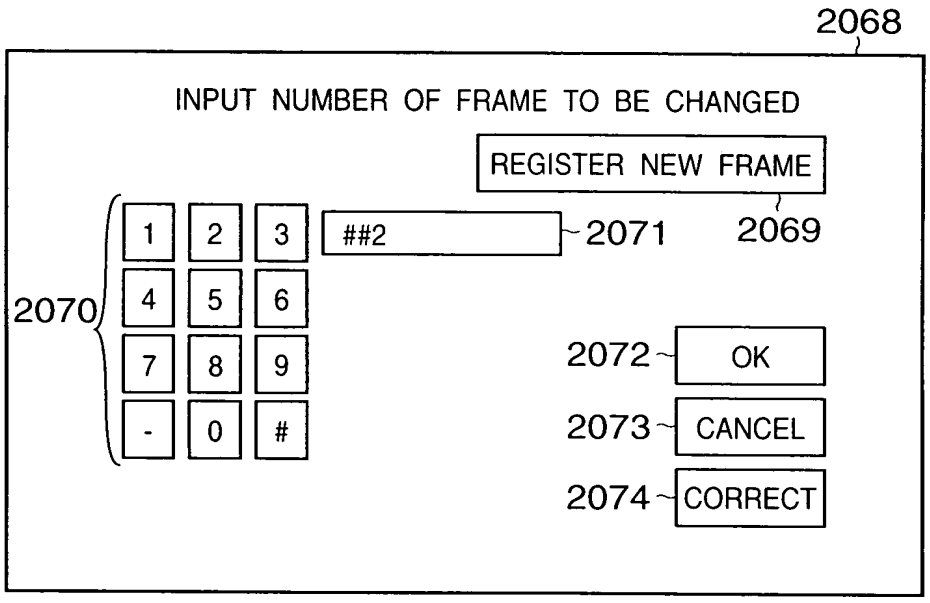

2068
INPUT NUMBER OF FRAME TO BE CHANGED
REGISTER NEW FRAME
2069
1
2
3
##2
2071
2070
4
5
6
7
8
9
2072
OK
2073
CANCEL
-
0
#
2074
CORRECT

FIG. 87

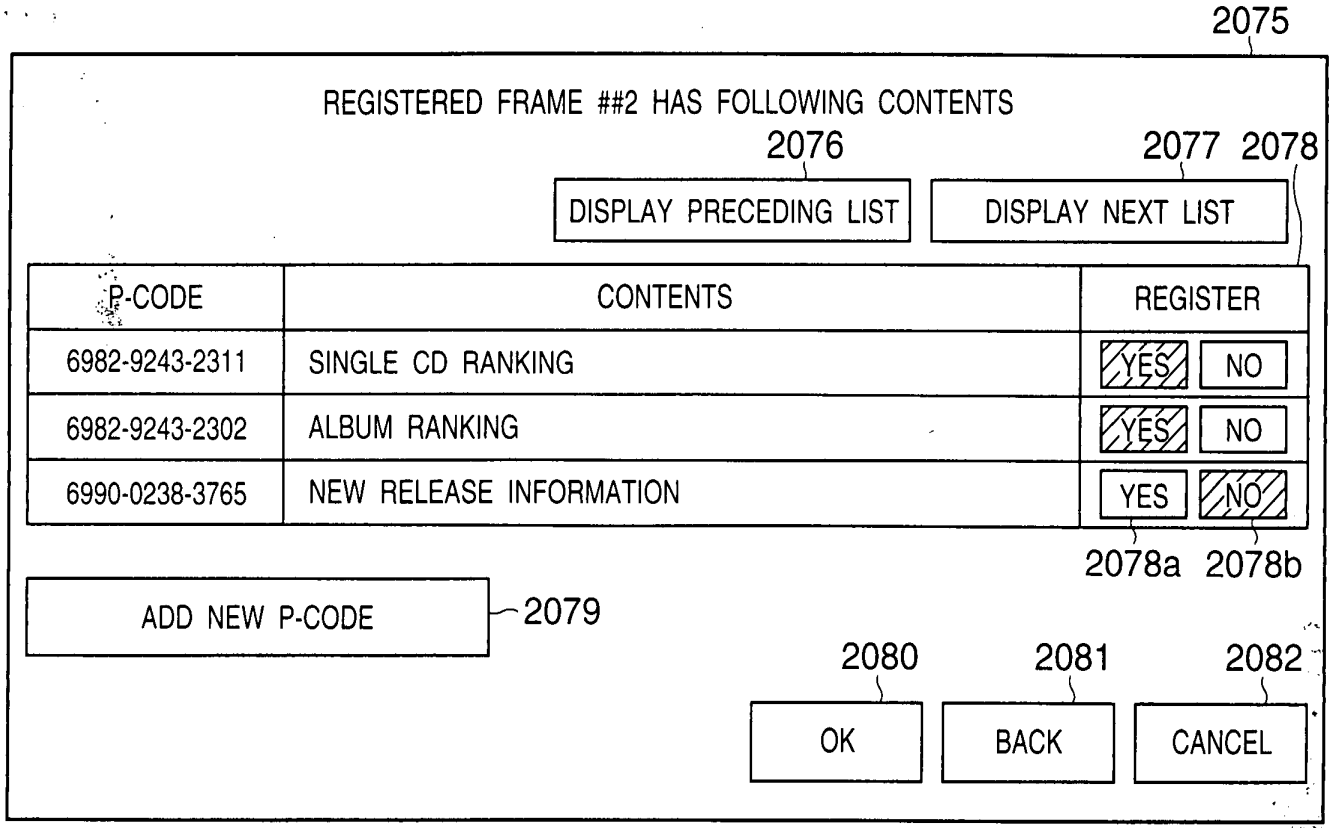

2075
REGISTERED FRAME ##2 HAS FOLLOWING CONTENTS
2076
2077
2078
DISPLAY PRECEDING LIST
DISPLAY NEXT LIST
P-CODE
CONTENTS
REGISTER
6982-9243-2311
SINGLE CD RANKING
YES
NO
6982-9243-2302
ALBUM RANKING
YES
NO
6990-0238-3765
NEW RELEASE INFORMATION
YES
NO
2078a
2078b
ADD NEW P-CODE
2079
2080
2081
2082
OK
BACK
CANCEL

FIG. 88

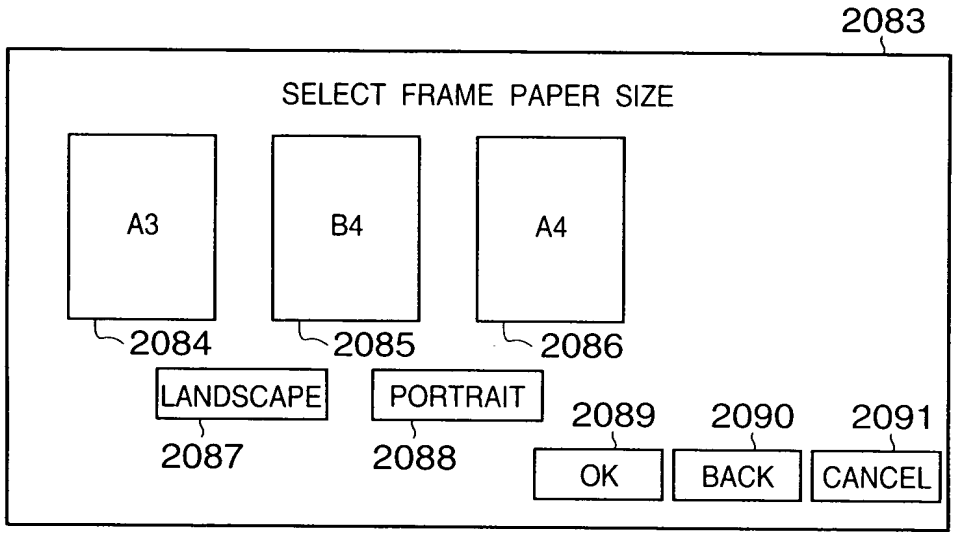

2083
SELECT FRAME PAPER SIZE
A3
B4
A4
2084
2085
2086
LANDSCAPE
PORTRAIT
2089
2090
2091
2087
2088
OK
BACK
CANCEL

FIG. 89

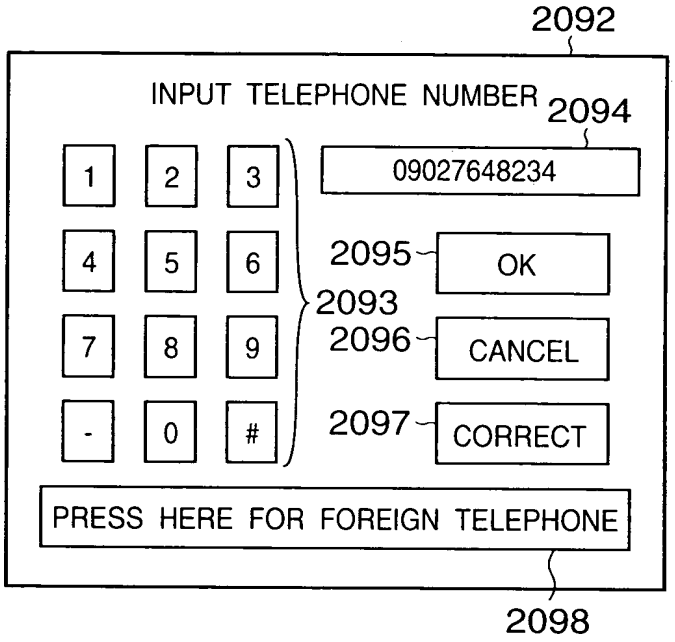

2092
INPUT TELEPHONE NUMBER
2094
09027648234
1
2
3
4
5
6
7
8
9
-
0
#
2093
2095
OK
2096
CANCEL
2097
CORRECT
PRESS HERE FOR FOREIGN TELEPHONE
2098

FIG. 90

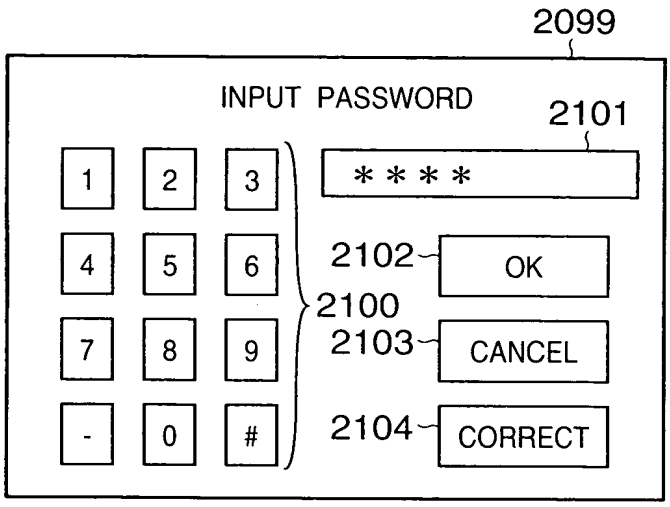

2099
INPUT PASSWORD
2101
1
2
3
* * * *
4
5
6
2102
OK
2100
7
8
9
2103
CANCEL
-
0
#
2104
CORRECT

FIG. 91

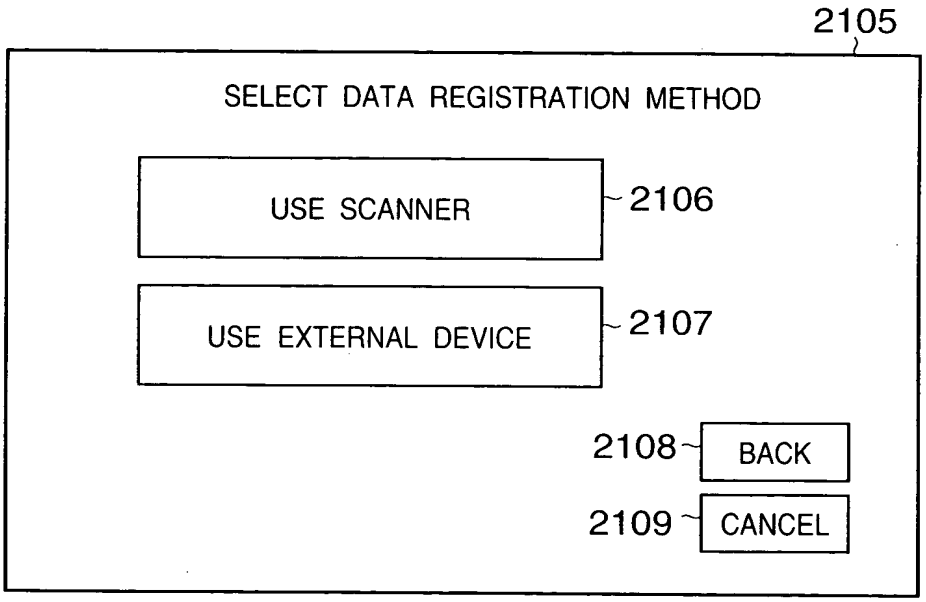

2105
SELECT DATA REGISTRATION METHOD
USE SCANNER
2106
USE EXTERNAL DEVICE
2107
2108
BACK
2109
CANCEL

FIG. 92

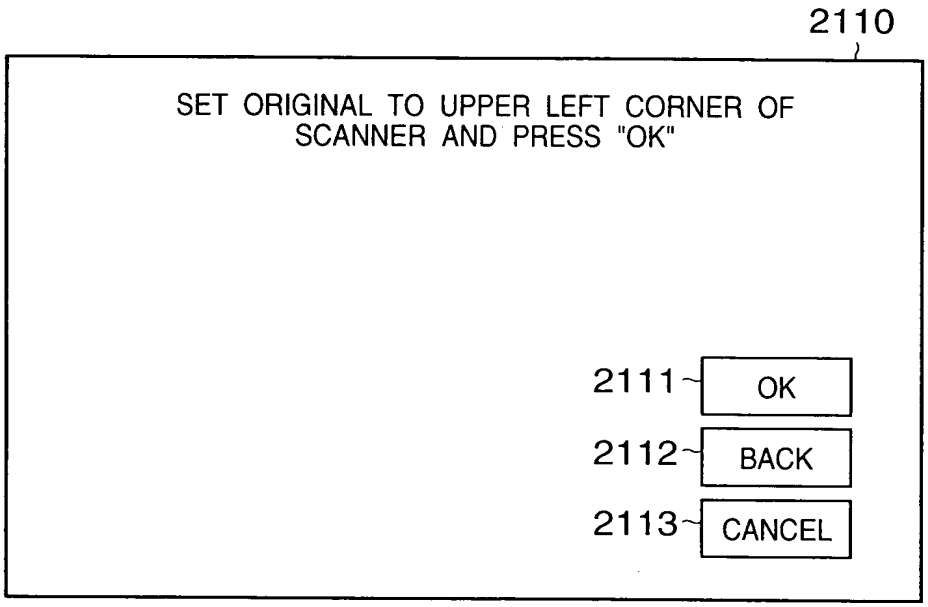

2110
SET ORIGINAL TO UPPER LEFT CORNER OF SCANNER AND PRESS "OK"
2111
OK
2112
BACK
2113
CANCEL

FIG. 93

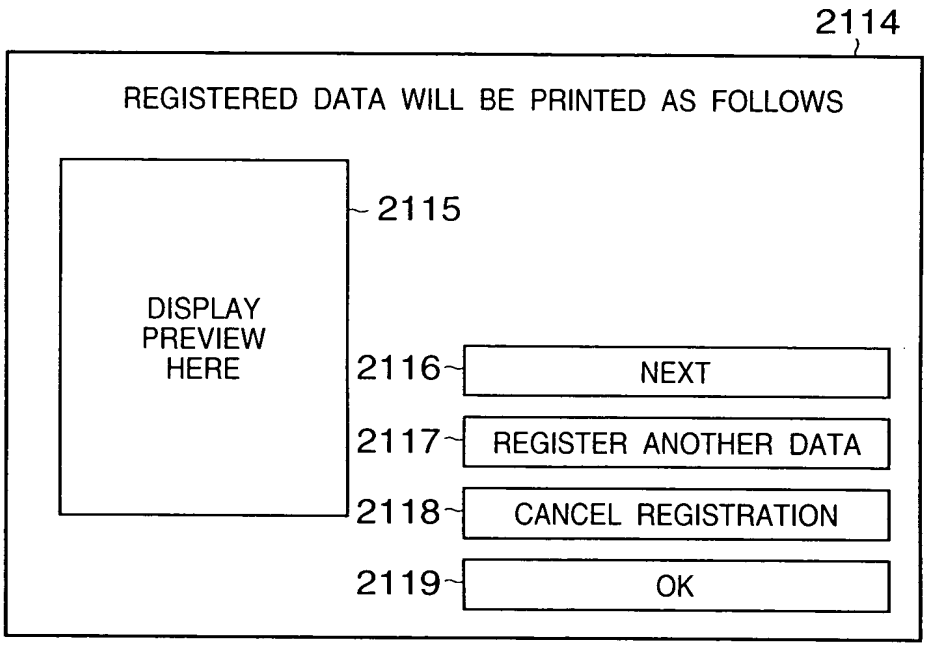

2114
REGISTERED DATA WILL BE PRINTED AS FOLLOWS
2115
DISPLAY PREVIEW HERE
2116
NEXT
2117
REGISTER ANOTHER DATA
2118
CANCEL REGISTRATION
2119
OK

FIG. 94

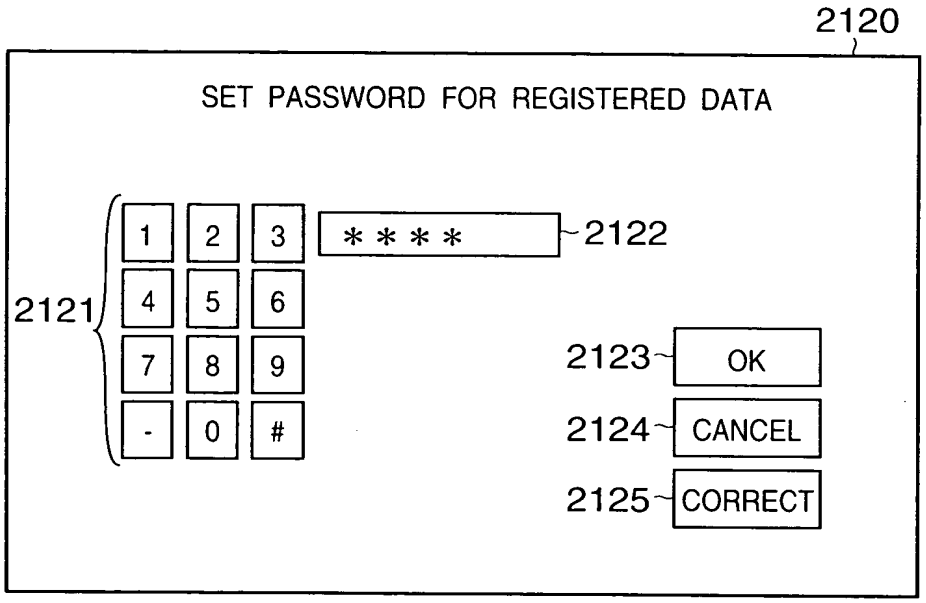

2120
SET PASSWORD FOR REGISTERED DATA
2121
1
2
3
4
5
6
7
8
9
-
0
#
* * * *
2122
2123
OK
2124
CANCEL
2125
CORRECT

FIG. 95

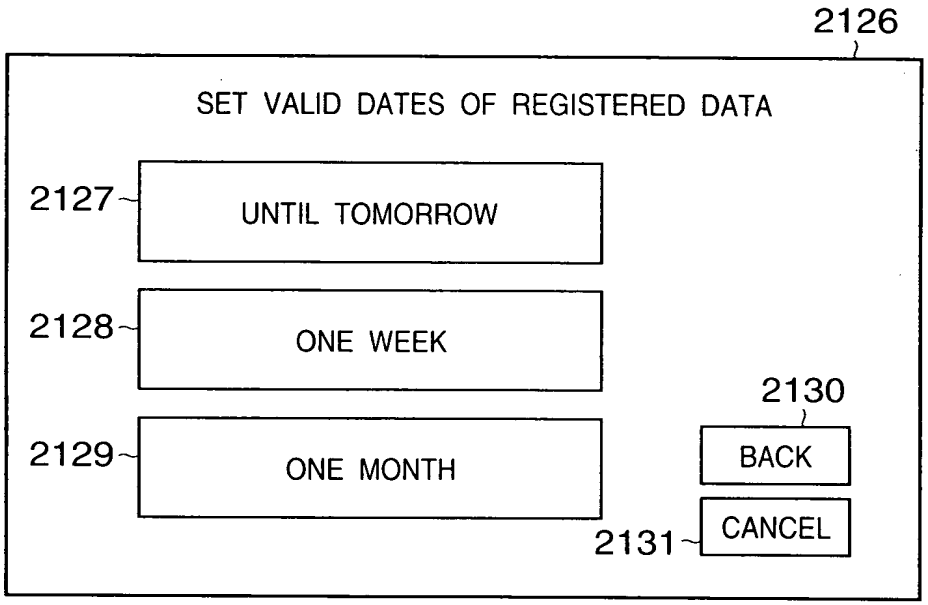

2126
SET VALID DATES OF REGISTERED DATA
2127
UNTIL TOMORROW
2128
ONE WEEK
2129
ONE MONTH
2130
BACK
2131
CANCEL

FIG. 96

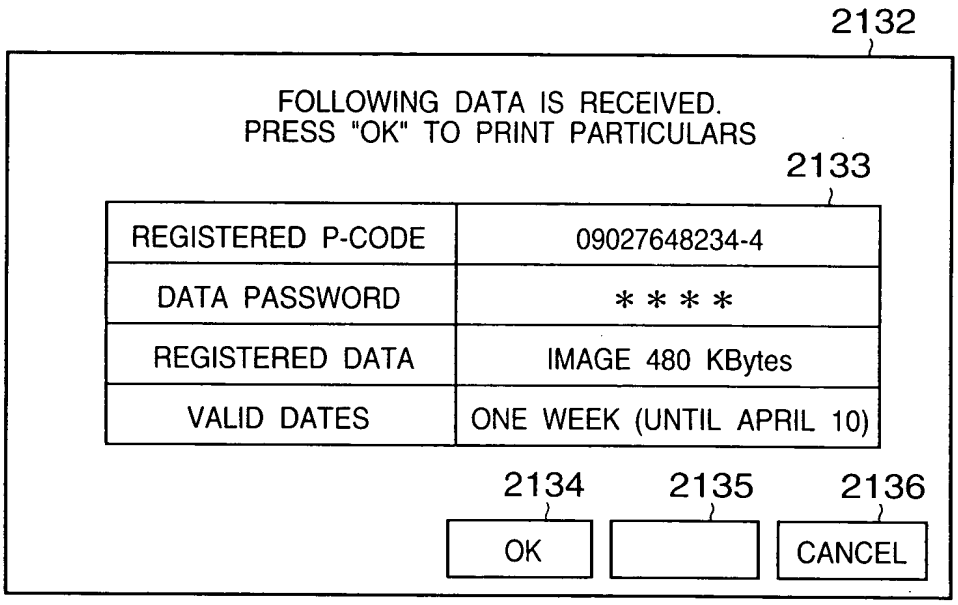

2132
FOLLOWING DATA IS RECEIVED.
PRESS "OK" TO PRINT PARTICULARS
2133
REGISTERED P-CODE
09027648234-4
DATA PASSWORD
* * * *
REGISTERED DATA
IMAGE 480 KBytes
VALID DATES
ONE WEEK (UNTIL APRIL 10)
2134
2135
2136
OK
CANCEL

FIG. 97

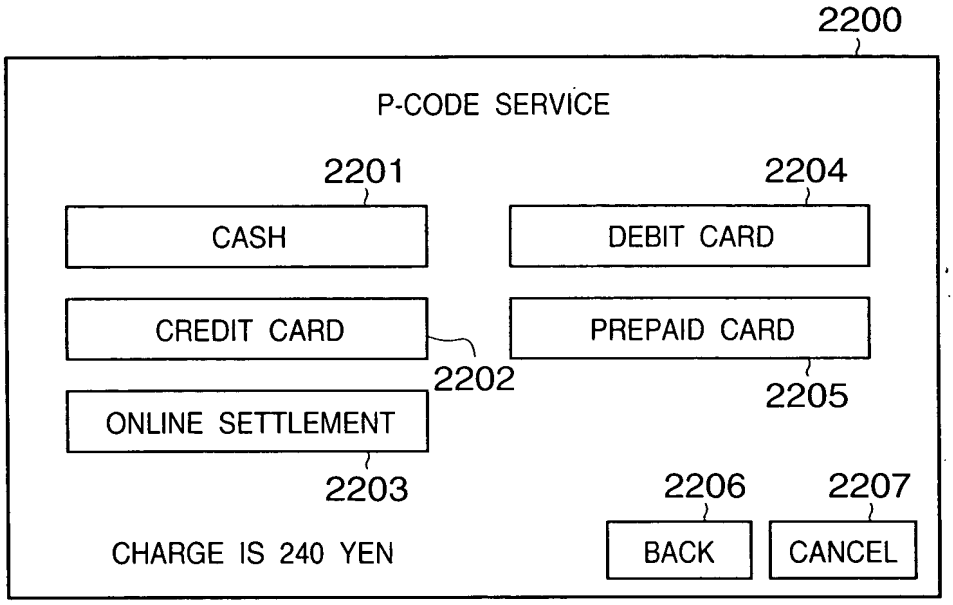

2200
P-CODE SERVICE
2201
CASH
2204
DEBIT CARD
CREDIT CARD
PREPAID CARD
2202
2205
ONLINE SETTLEMENT
2203
2206
2207
CHARGE IS 240 YEN
BACK
CANCEL

FIG. 98A

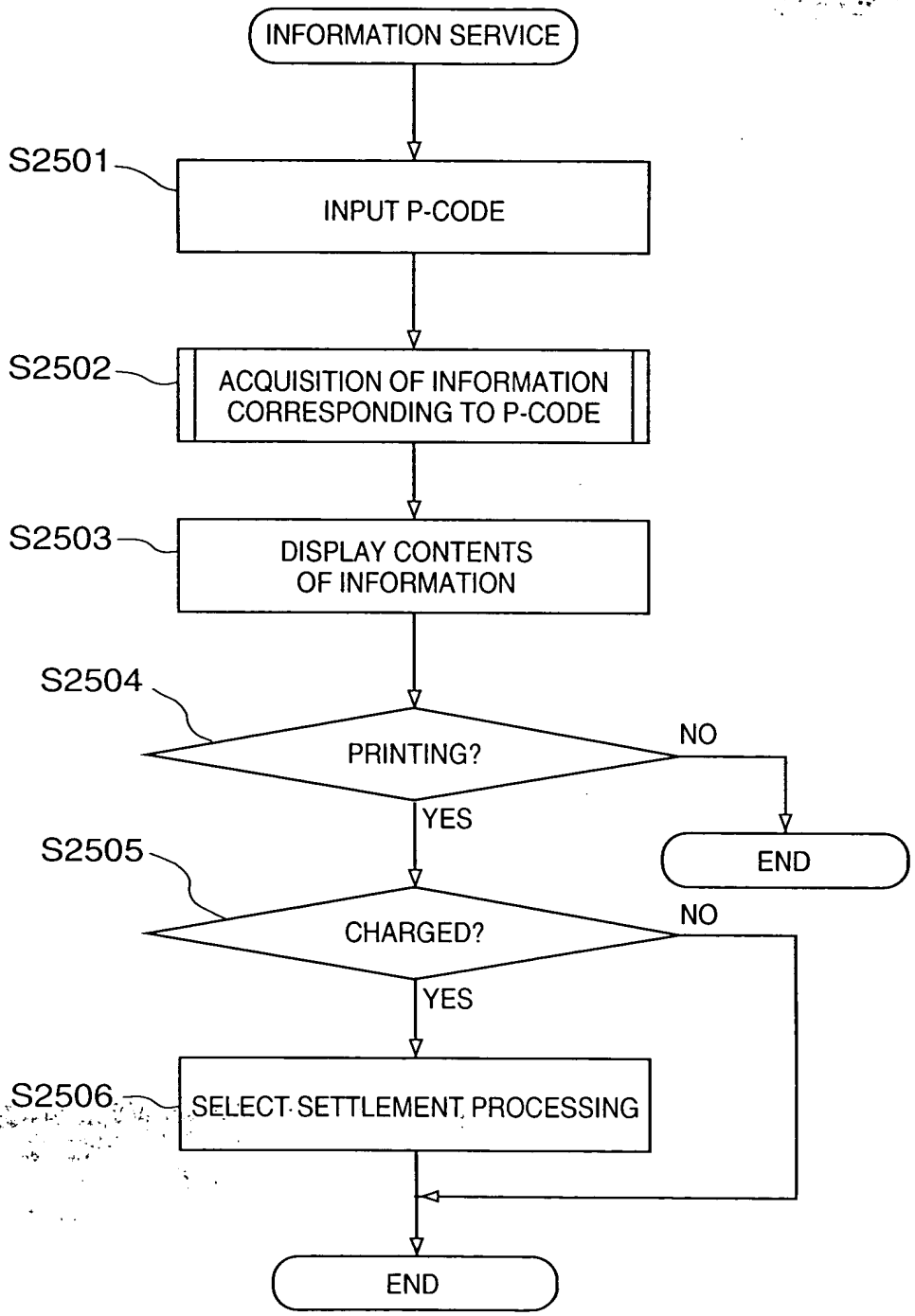

INFORMATION SERVICE
S2501
INPUT P-CODE
S2502
ACQUISITION OF INFORMATION CORRESPONDING TO P-CODE
S2503
DISPLAY CONTENTS OF INFORMATION
S2504
PRINTING?
NO
YES
END
S2505
CHARGED?
NO
YES
S2506
SELECT SETTLEMENT PROCESSING
END

FIG. 98B

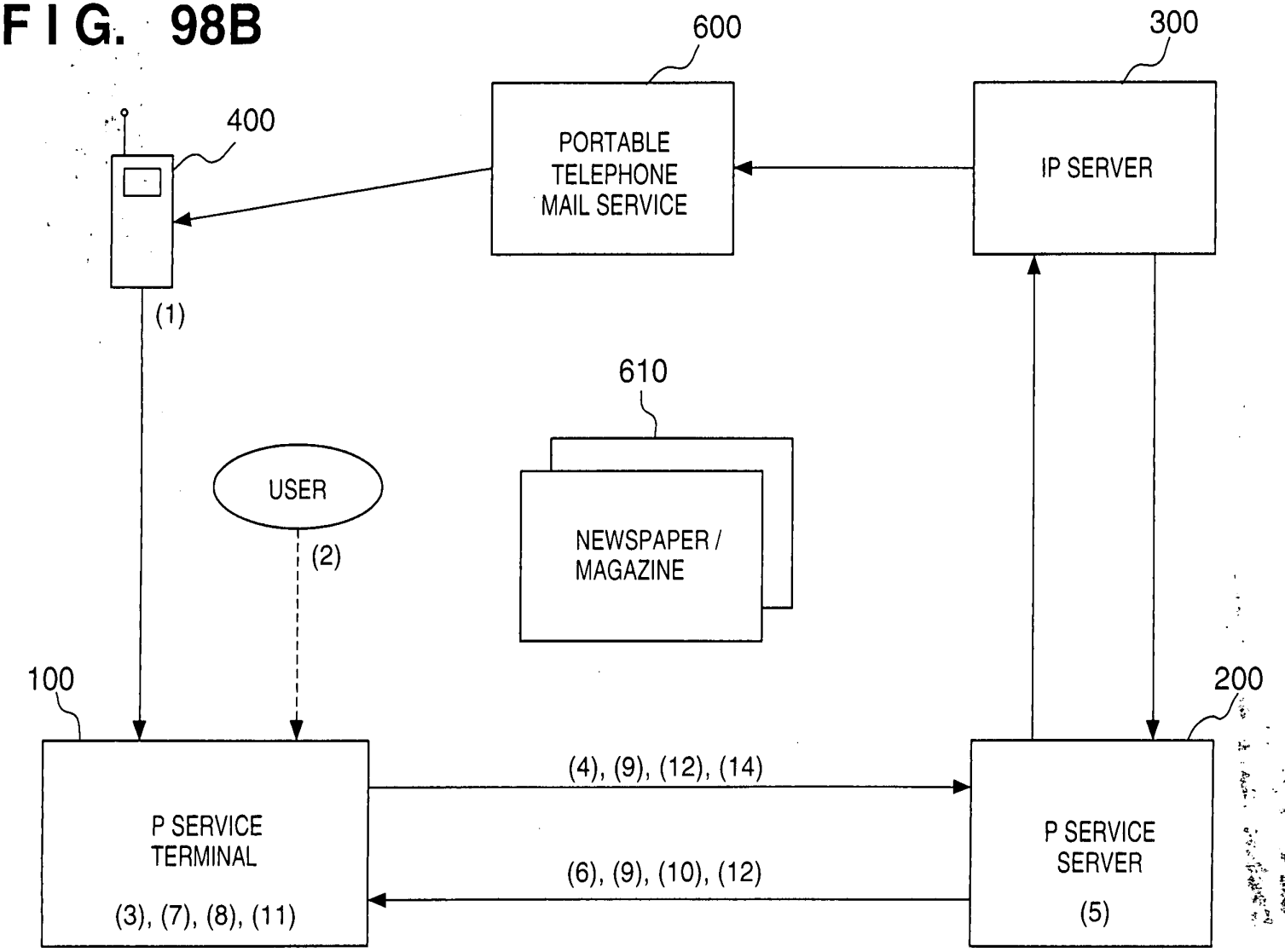

600
300
400
PORTABLE TELEPHONE MAIL SERVICE
IP SERVER
(1)
610
USER
(2)
NEWSPAPER / MAGAZINE
100
200
(4), (9), (12), (14)
P SERVICE TERMINAL
(3), (7), (8), (11)
(6), (9), (10), (12)
P SERVICE SERVER
(5)

FIG. 99A

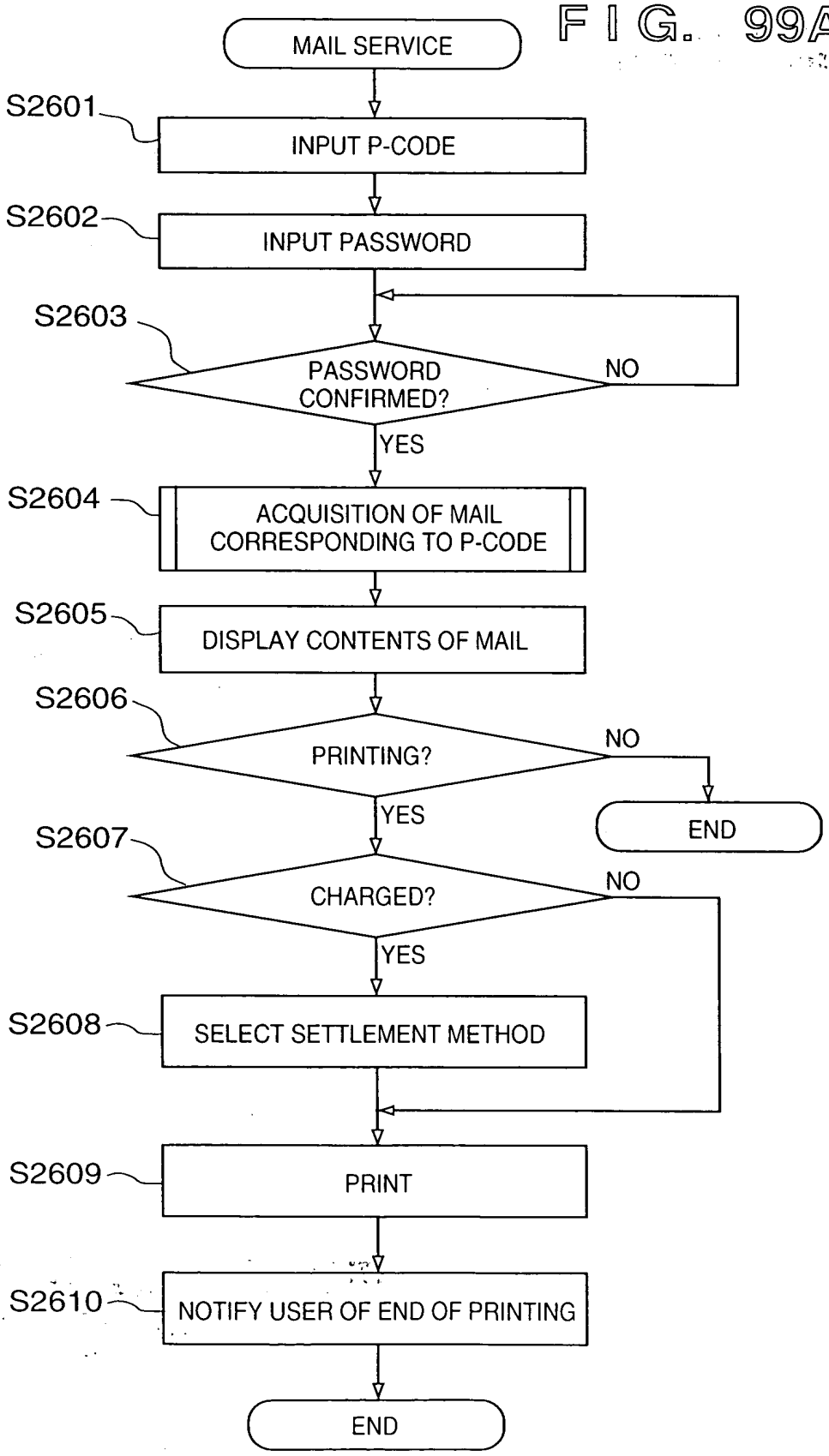

MAIL SERVICE
S2601
INPUT P-CODE
S2602
INPUT PASSWORD
S2603
PASSWORD CONFIRMED?
NO
YES
S2604
ACQUISITION OF MAIL CORRESPONDING TO P-CODE
S2605
DISPLAY CONTENTS OF MAIL
S2606
PRINTING?
NO
END
YES
S2607
CHARGED?
NO
YES
S2608
SELECT SETTLEMENT METHOD
S2609
PRINT
S2610
NOTIFY USER OF END OF PRINTING
END

FIG. 99B

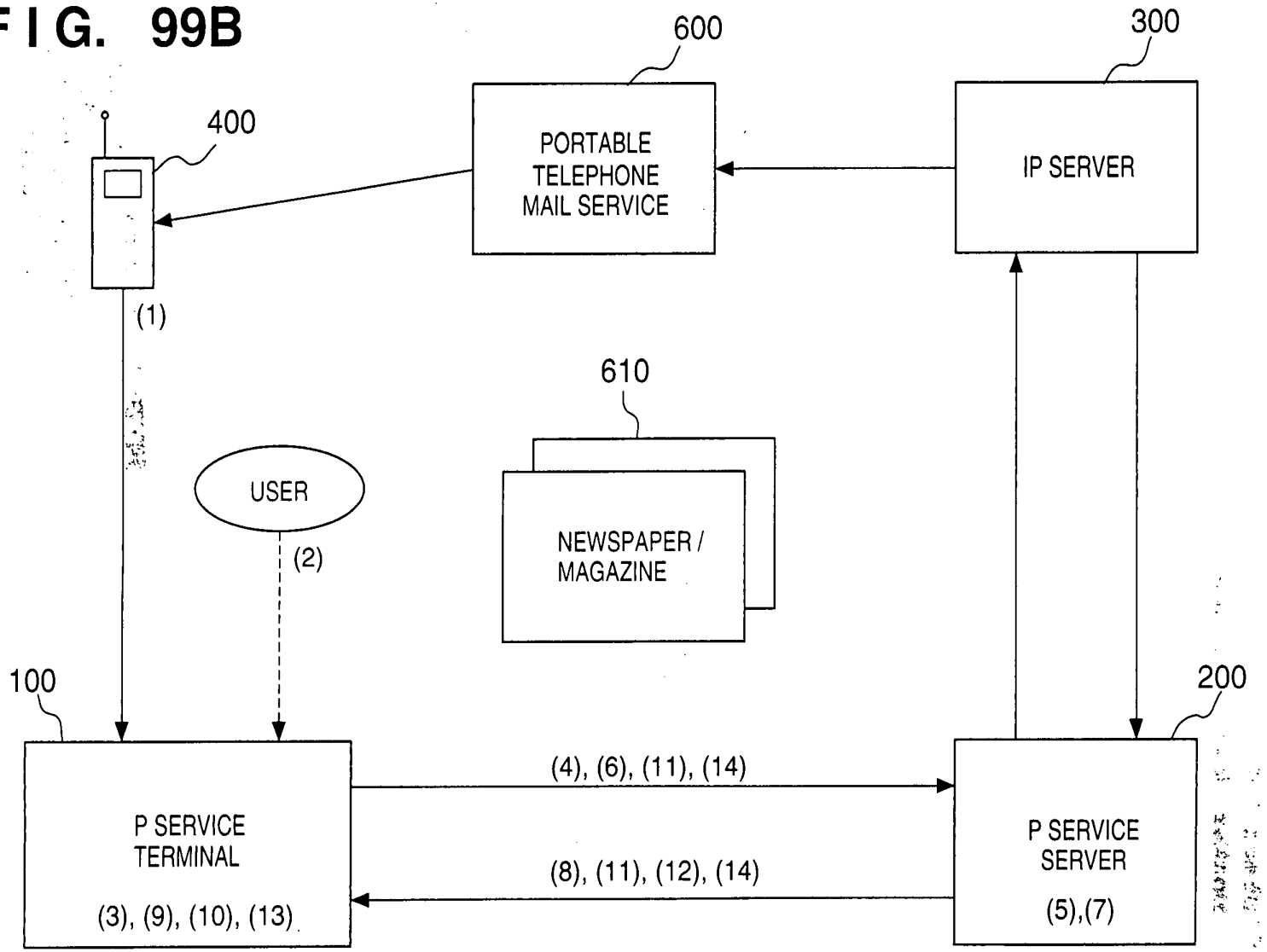

600
300
400
PORTABLE TELEPHONE MAIL SERVICE
IP SERVER
(1)
610
USER
(2)
NEWSPAPER / MAGAZINE
100
200
(4), (6), (11), (14)
P SERVICE TERMINAL
(3), (9), (10), (13)
(8), (11), (12), (14)
P SERVICE SERVER
(5),(7)

FIG. 100A

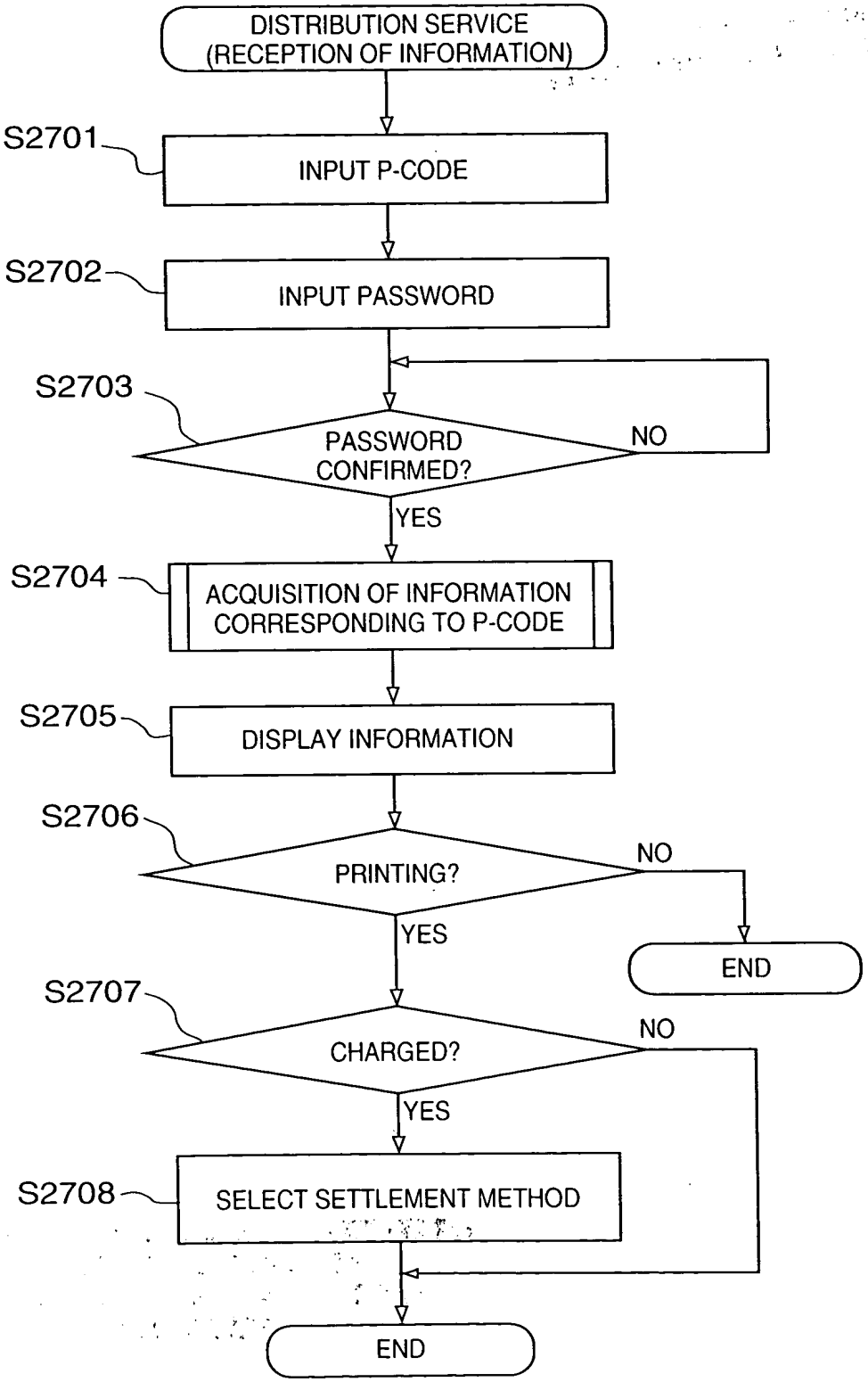

DISTRIBUTION SERVICE (RECEPTION OF INFORMATION)
S2701
INPUT P-CODE
S2702
INPUT PASSWORD
S2703
PASSWORD CONFIRMED?
NO
YES
S2704
ACQUISITION OF INFORMATION CORRESPONDING TO P-CODE
S2705
DISPLAY INFORMATION
S2706
PRINTING?
NO
YES
END
S2707
CHARGED?
NO
YES
S2708
SELECT SETTLEMENT METHOD
END

FIG. 101A

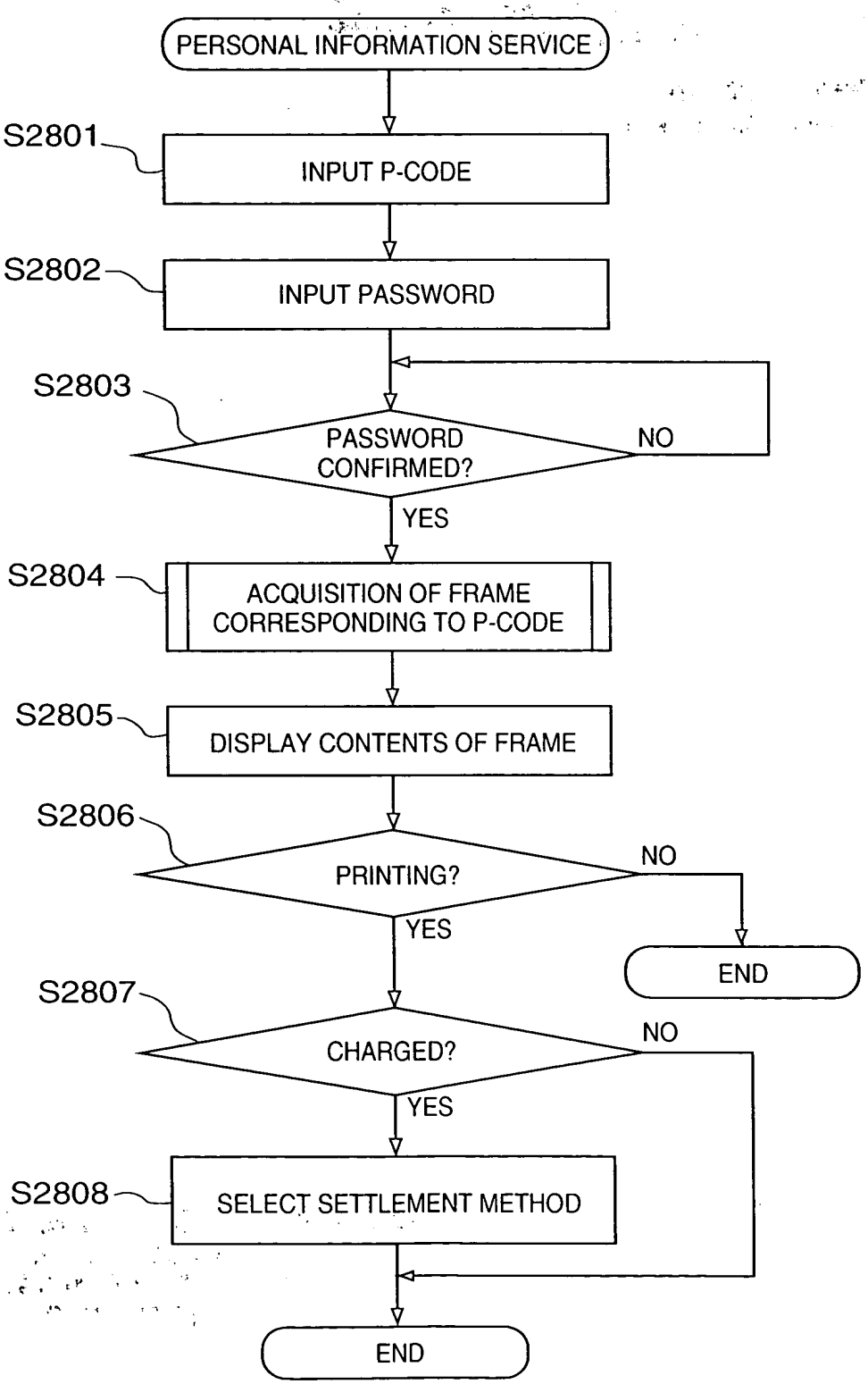
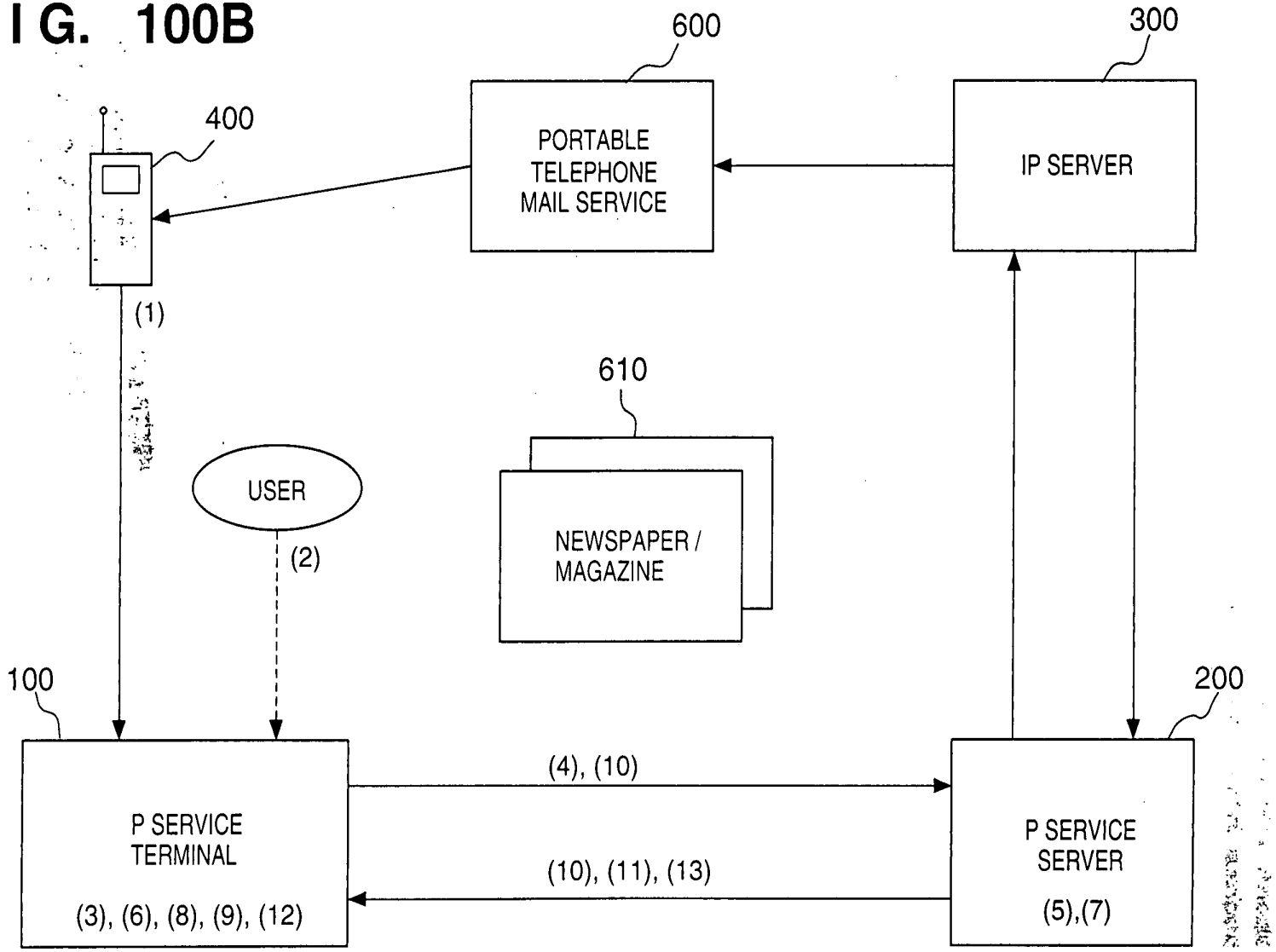

PERSONAL INFORMATION SERVICE
S2801
INPUT P-CODE
S2802
INPUT PASSWORD
S2803
PASSWORD CONFIRMED?
NO
YES
S2804
ACQUISITION OF FRAME CORRESPONDING TO P-CODE
S2805
DISPLAY CONTENTS OF FRAME
S2806
PRINTING?
NO
YES
END
S2807
CHARGED?
NO
YES
S2808
SELECT SETTLEMENT METHOD
END

FIG. 100B


600
300
400
PORTABLE TELEPHONE MAIL SERVICE
IP SERVER
(1)
610
USER
(2)
NEWSPAPER / MAGAZINE
100
200
(4), (10)
P SERVICE TERMINAL
(3), (6), (8), (9), (12)
(10), (11), (13)
P SERVICE SERVER
(5),(7)

U.S. PATENT APPLICATION
INVENTOR: HIROSHI SATOMI ET AL.
TITLE: INFORMATION PROVIDING METHOD, ETC.

Sheet 107 of 119
Docket No.: 862.C1892

FITZPATRICK, CELLA, HARPER & SCINTO
30 ROCKEFELLER PLAZA
NEW YORK, NEW YORK 10112
212-218-2100

U.S. PATENT APPLICATION
INVENTOR: HIROSHI SATOMI ET AL.
TITLE: INFORMATION PROVIDING METHOD, ETC.

Sheet 108 **of** 119
Docket No.: 862.C1892

FITZPATRICK, CELLA, HARPER & SCINTO
30 ROCKEFELLER PLAZA
NEW YORK, NEW YORK 10112
212-218-2100

FIG. 102B

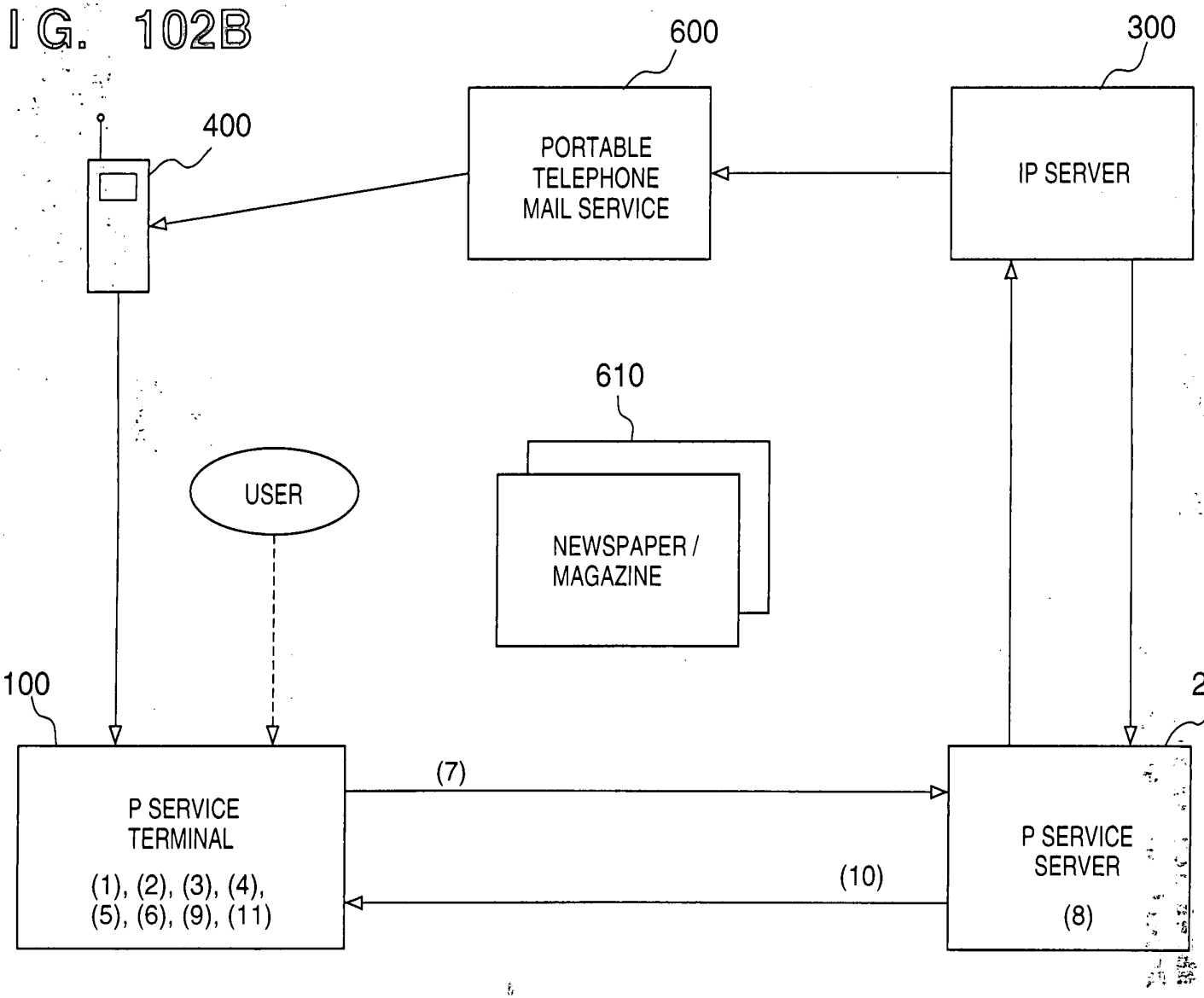

600
300
400
PORTABLE TELEPHONE MAIL SERVICE
IP SERVER
610
USER
NEWSPAPER / MAGAZINE
100
200
(7)
P SERVICE TERMINAL
(1), (2), (3), (4), (5), (6), (9), (11)
P SERVICE SERVER
(8)
(10)

FIG. 103A

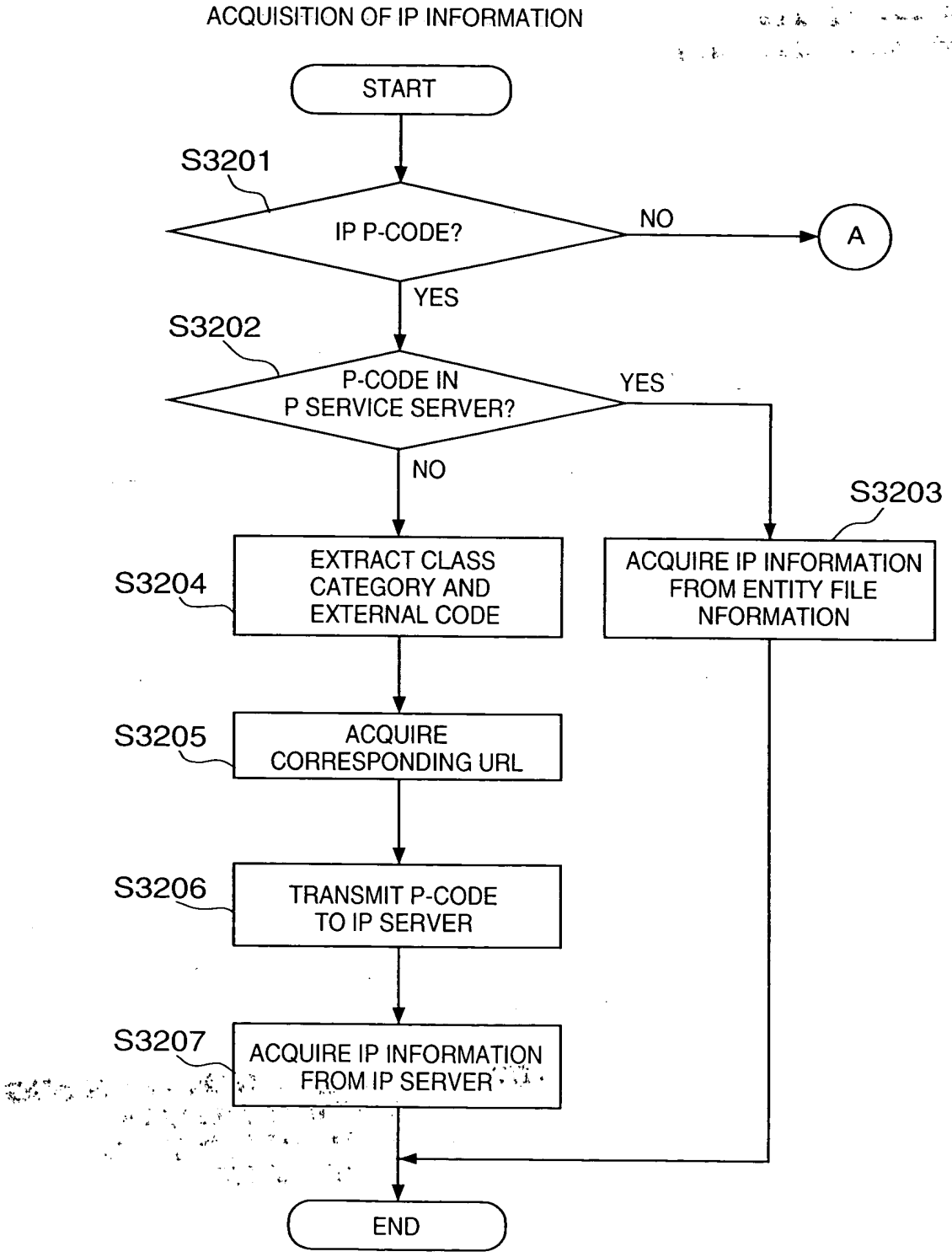

ACQUISITION OF IP INFORMATION
START
S3201
IP P-CODE?
NO
A
YES
S3202
P-CODE IN P SERVICE SERVER?
YES
NO
S3203
ACQUIRE IP INFORMATION FROM ENTITY FILE NFORMATION
S3204
EXTRACT CLASS CATEGORY AND EXTERNAL CODE
S3205
ACQUIRE CORRESPONDING URL
S3206
TRANSMIT P-CODE TO IP SERVER
S3207
ACQUIRE IP INFORMATION FROM IP SERVER
END

FIG. 103B

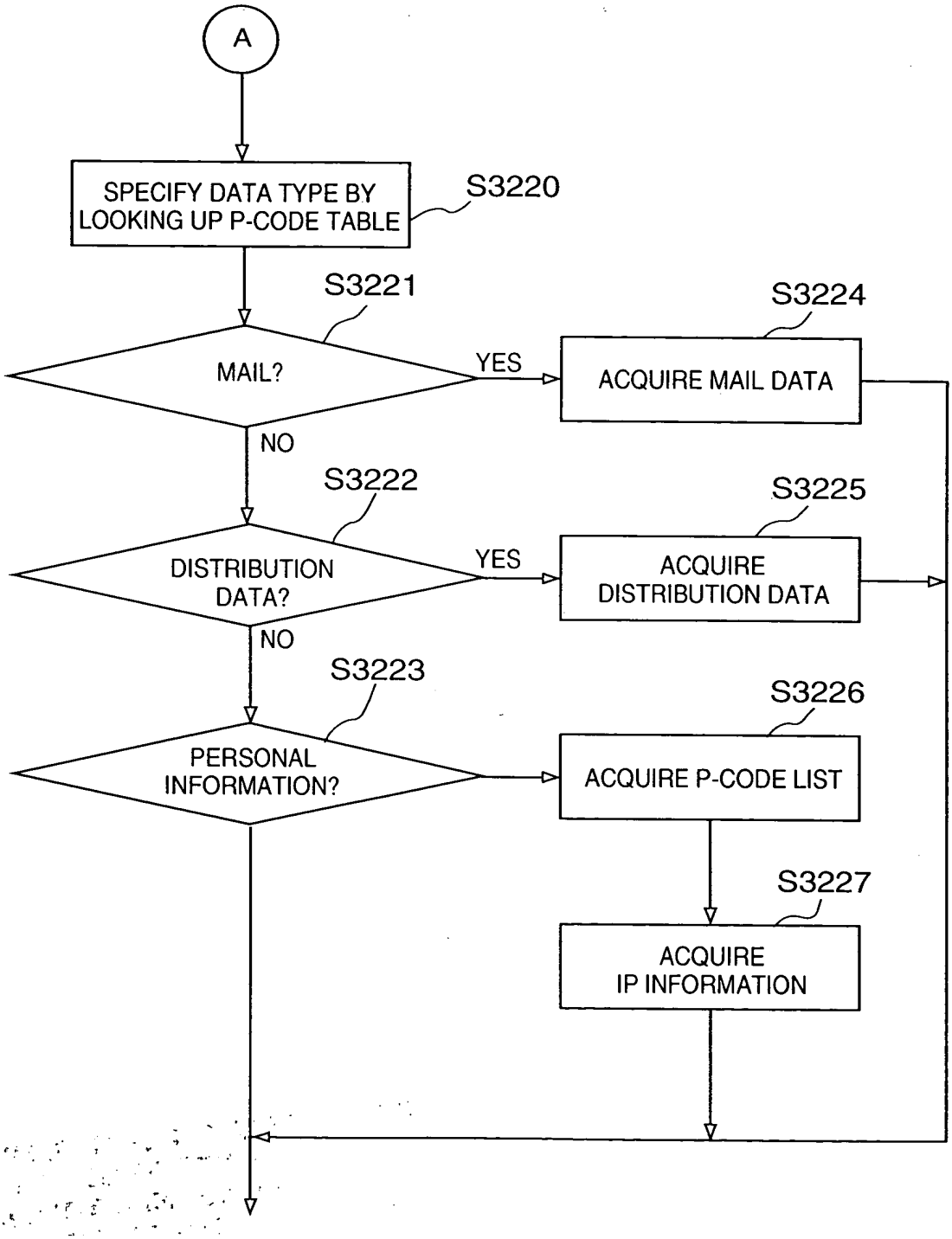

A
SPECIFY DATA TYPE BY LOOKING UP P-CODE TABLE
S3220
S3221
MAIL?
YES
S3224
ACQUIRE MAIL DATA
NO
S3222
DISTRIBUTION DATA?
YES
S3225
ACQUIRE DISTRIBUTION DATA
NO
S3223
PERSONAL INFORMATION?
S3226
ACQUIRE P-CODE LIST
S3227
ACQUIRE IP INFORMATION

FIG. 104

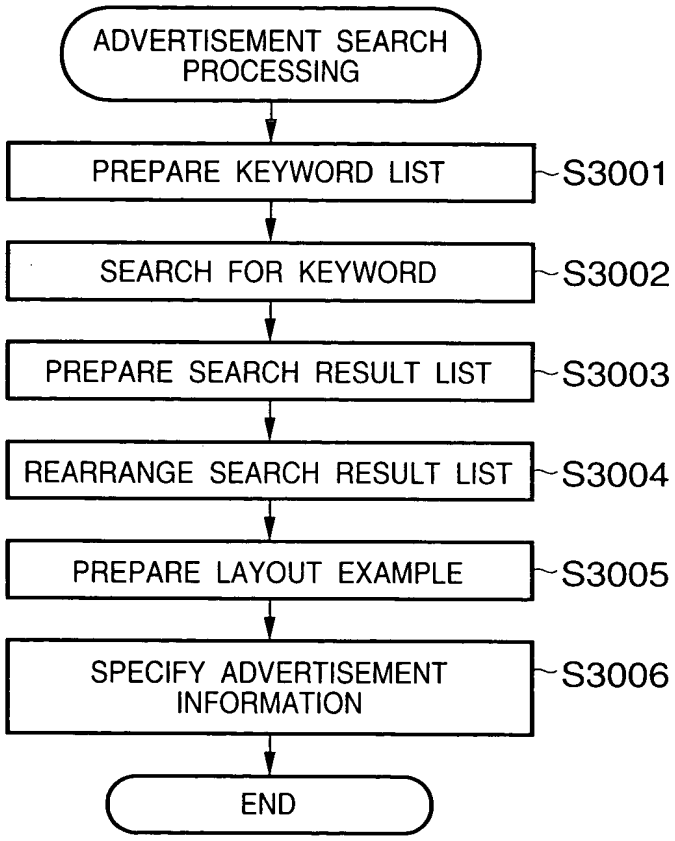

ADVERTISEMENT SEARCH PROCESSING
PREPARE KEYWORD LIST
S3001
SEARCH FOR KEYWORD
S3002
PREPARE SEARCH RESULT LIST
S3003
REARRANGE SEARCH RESULT LIST
S3004
PREPARE LAYOUT EXAMPLE
S3005
SPECIFY ADVERTISEMENT INFORMATION
S3006
END

FIG. 105A

IP INFORMATION LIST	
KEYWORD	WEIGHT
MARRIAGE	+10

FIG. 105B

USER REGISTRATION LIST	
KEYWORD	WEIGHT
TOKYO	+1
25 YEARS OLD	+1

FIG. 105C

P SERVICE TERMINAL LIST	
KEYWORD	WEIGHT
SAITAMA	+1

FIG. 105D

HIGHEST PRIORITY LIST	
KEYWORD	WEIGHT
ADMISSION	+5
CHINESE CUISINE	+4

FIG. 105E

LOWEST PRIORITY LIST	
KEYWORD	WEIGHT
TOKYO	+1
KANAGAWA	+1

FIG. 106A

SEARCH RESULT LIST OF IP INFORMATION LIST			
KEYWORD	WEIGHT	P-CODE	DEGREE OF MATCHING
MARRIAGE	+10	+ + +	+100
	-5	* * *	-50
	+3	- - -	+30
	-4	+ - +	-40
	+7	* - *	+70

FIG. 106B

SEARCH RESULT LIST OF USER REGISTRATION LIST			
KEYWORD	WEIGHT	P-CODE	DEGREE OF MATCHING
TOKYO	+2	@ @ *	+2
	+8	+ - *	+8
	-2	@ + +	-2
25 YEARS OLD	+10	@ * *	+10

FIG. 106C

SEARCH RESULT LIST OF P SERVICE TERMINAL LIST			
KEYWORD	WEIGHT	P-CODE	DEGREE OF MATCHING
SAITAMA	+10	+ + @	+10
	+5	* + +	+5
	-5	@ * @	-5

FIG. 106D

SEARCH RESULT LIST OF HIGHEST PRIORITY LIST			
KEYWORD	WEIGHT	P-CODE	DEGREE OF MATCHING
ADMISSION	+10	+ + /	+50
	+3	* / *	+15
CHINESE CUISINE	+3	% % %	+12
	-4	$ $ $	-16
	+7	% & %	+28

FIG. 106E

SEARCH RESULT LIST OF LOWEST PRIORITY LIST			
KEYWORD	WEIGHT	P-CODE	DEGREE OF MATCHING
TOKYO	+1	+ & +	+1
	-2	* * &	-2
KANAGAWA	+2	$ - -	+2
	-2	+ - &	-2
	+1	* - &	+1

FIG. 107A

SEARCH RESULT LIST OF IP INFORMATION LIST			
KEYWORD	WEIGHT	P-CODE	DEGREE OF MATCHING
MARRIAGE	+7	* - *	+85
	+10	+ - +	+80
	+3	- - -	+30
	-5	* * *	-30
	-4	+ - +	-45

FIG. 107B

SEARCH RESULT LIST OF USER REGISTRATION LIST			
KEYWORD	WEIGHT	P-CODE	DEGREE OF MATCHING
TOKYO	+8	+ - *	+10
	-2	@ + +	+0
	+2	@ @ +	-1
25 YEARS OLD	+10	@ * *	+10

FIG. 107C

SEARCH RESULT LIST OF P SERVICE TERMINAL LIST			
KEYWORD	WEIGHT	P-CODE	DEGREE OF MATCHING
SAITAMA	+10	+ + @	+15
	+5	* + +	+3
	-5	@ * @	-8

FIG. 107D

SEARCH RESULT LIST OF HIGHEST PRIORITY LIST			
KEYWORD	WEIGHT	P-CODE	DEGREE OF MATCHING
ADMISSION	+10	+ + /	+40
	+3	* / *	+10
CHINESE CUISINE	+7	% & %	+25
	+3	% % %	+20
	-4	$ $ $	-5

FIG. 107E

SEARCH RESULT LIST OF LOWEST PRIORITY LIST			
KEYWORD	WEIGHT	P-CODE	DEGREE OF MATCHING
TOKYO	-2	* * &	+4
	+1	+ & +	-5
KANAGAWA	+2	$ - -	+10
	-2	+ - &	-1
	+1	* - $	-5

RECEPTION OF MAIL AND DISPLAY OF CONTENTS OF MAIL

FIG. 108

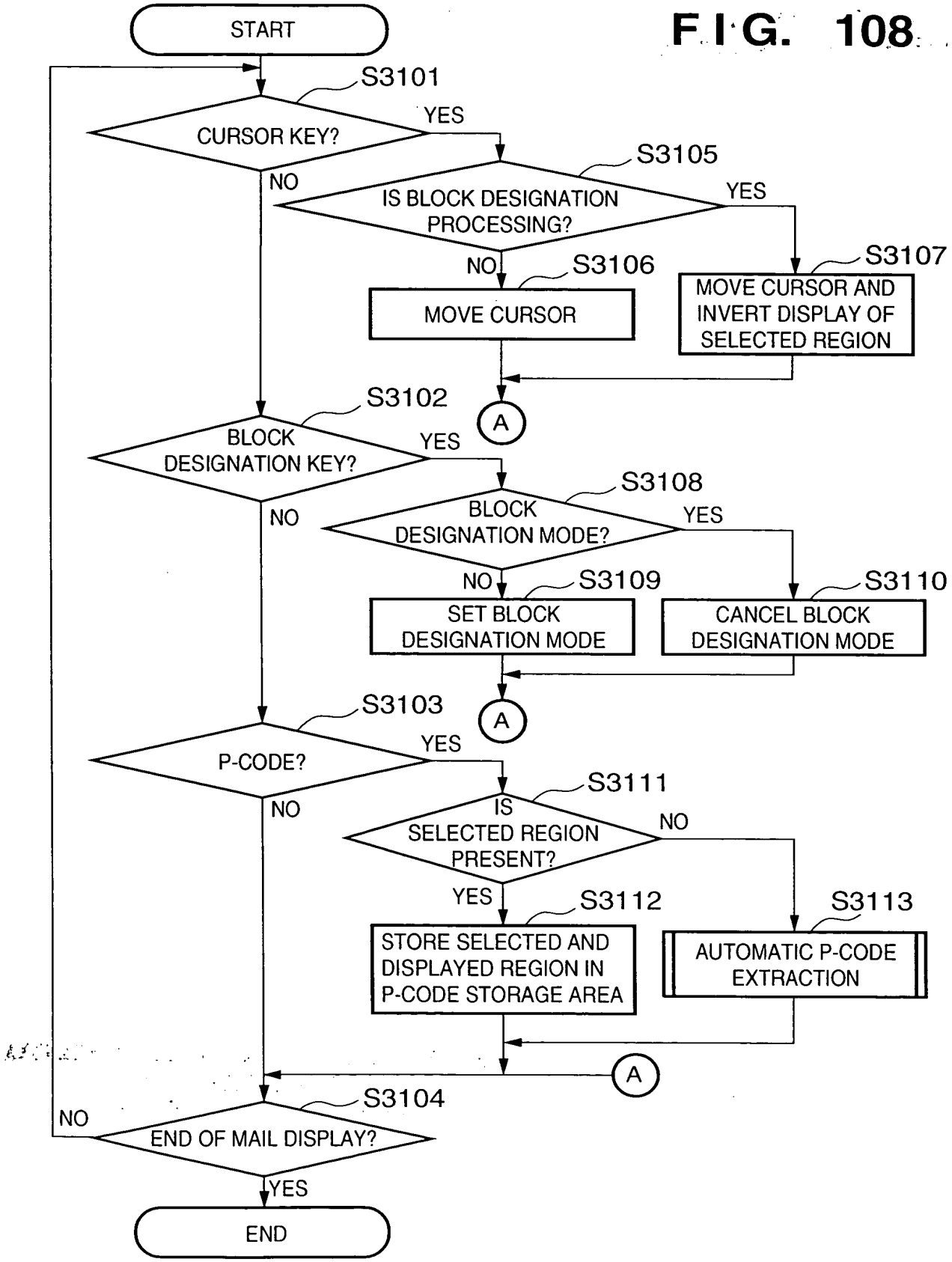
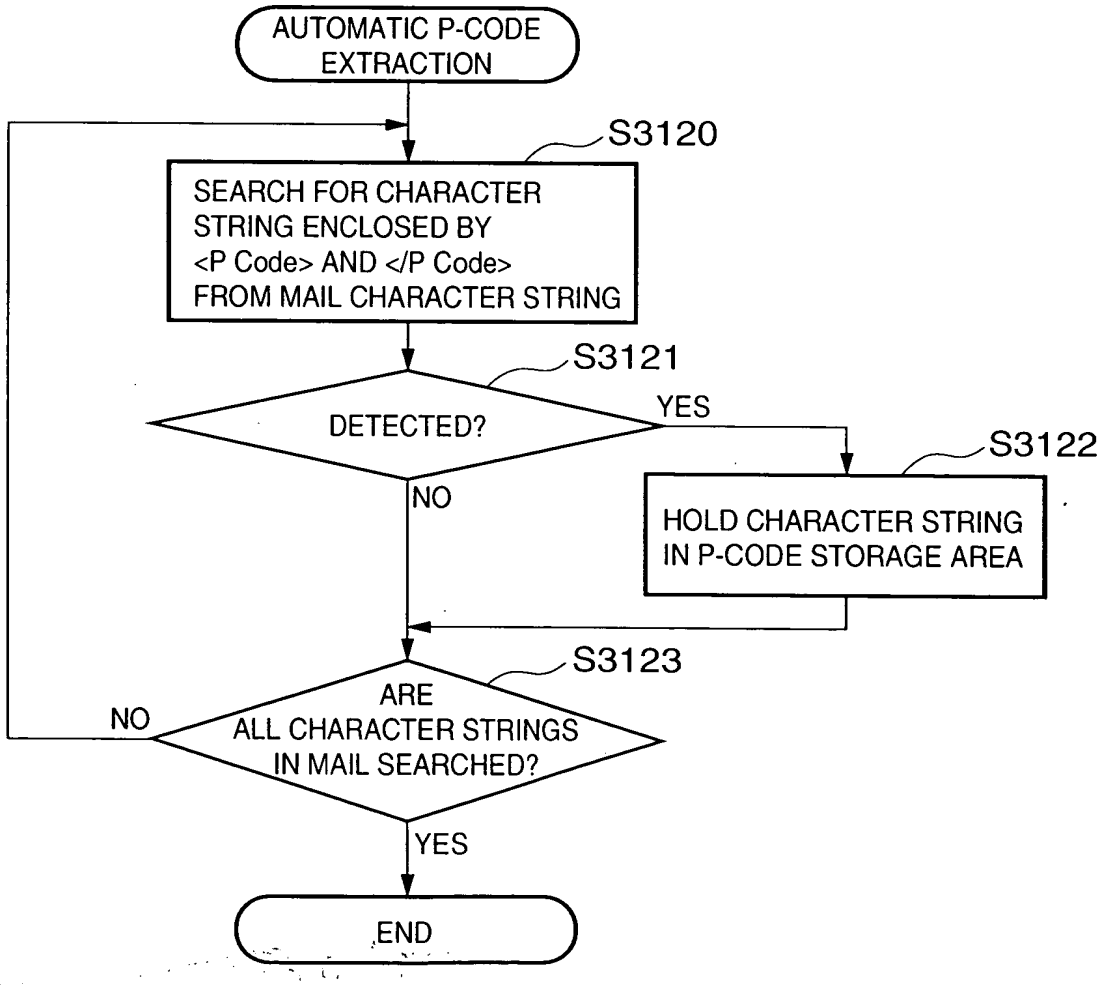


FIG. 109

MAIL UNDER DISPLAY AND AUTOMATIC P-CODE EXTRACTION



P-CODE TRANSMISSION FUNCTION
< INITIAL WINDOW STATE >

FIG. 110

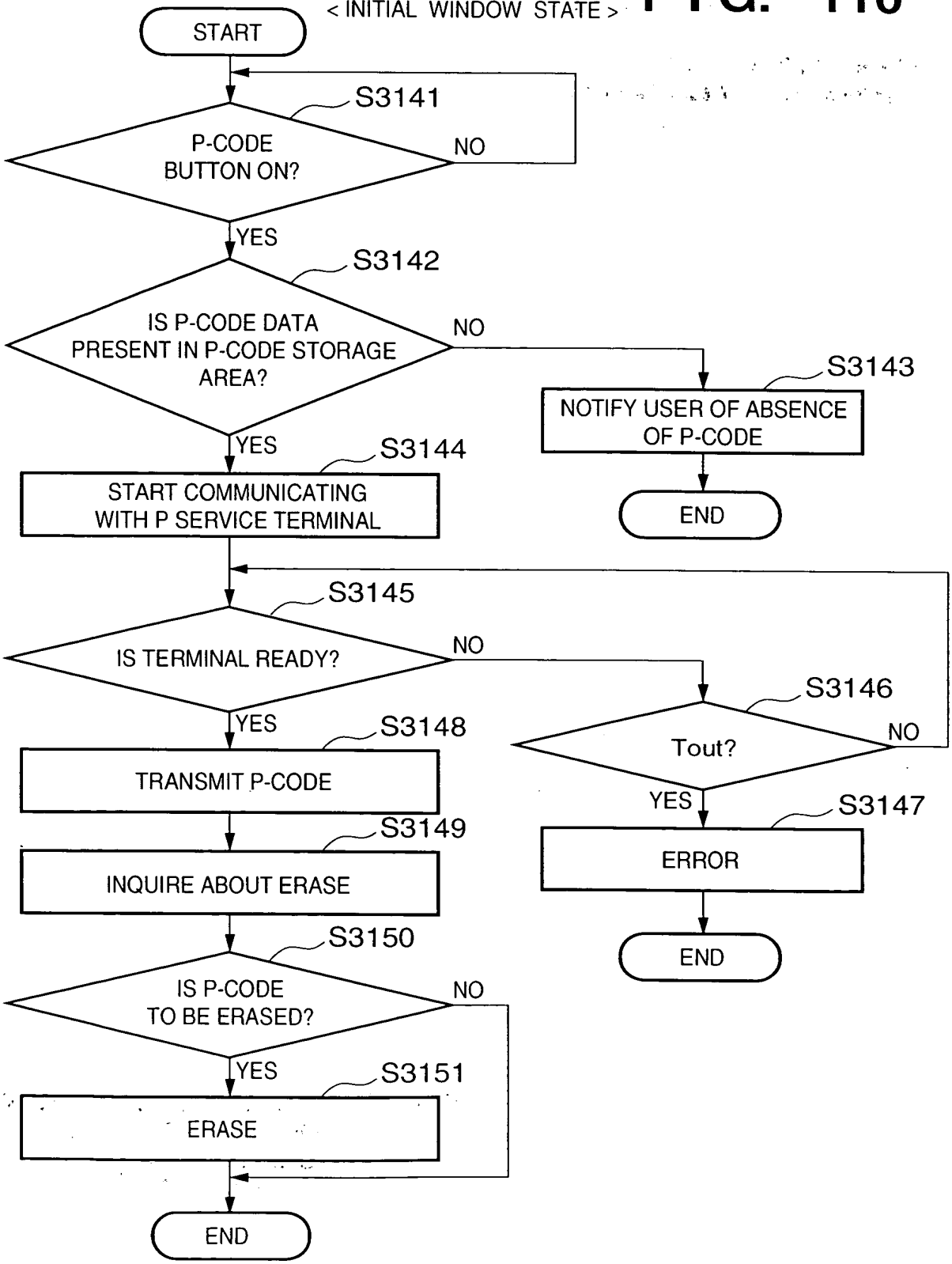
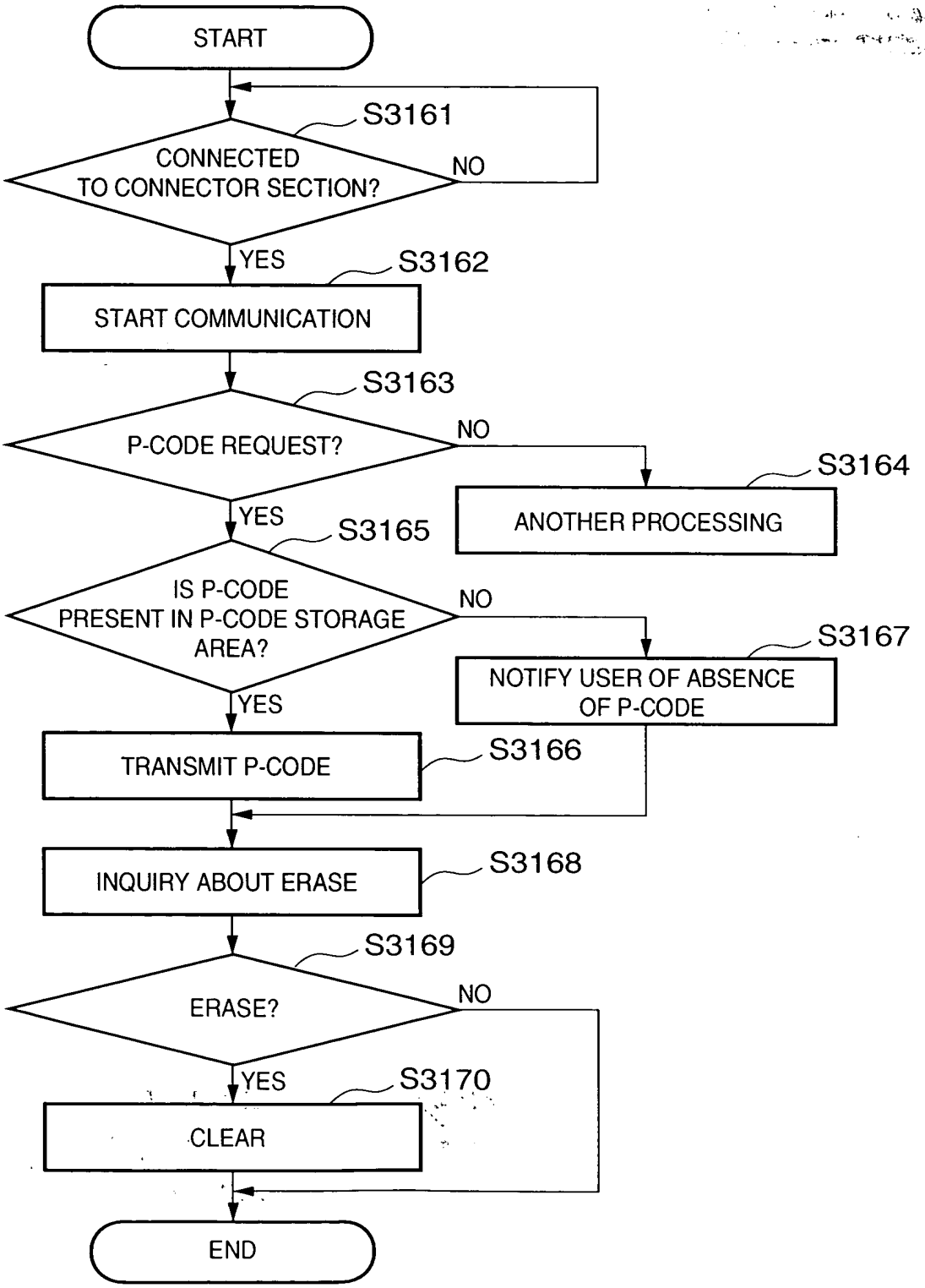


FIG. 111


START
S3161
CONNECTED TO CONNECTOR SECTION?
NO
YES
S3162
START COMMUNICATION
S3163
P-CODE REQUEST?
NO
S3164
ANOTHER PROCESSING
YES
S3165
IS P-CODE PRESENT IN P-CODE STORAGE AREA?
NO
S3167
NOTIFY USER OF ABSENCE OF P-CODE
YES
TRANSMIT P-CODE
S3166
INQUIRY ABOUT ERASE
S3168
S3169
ERASE?
NO
YES
S3170
CLEAR
END